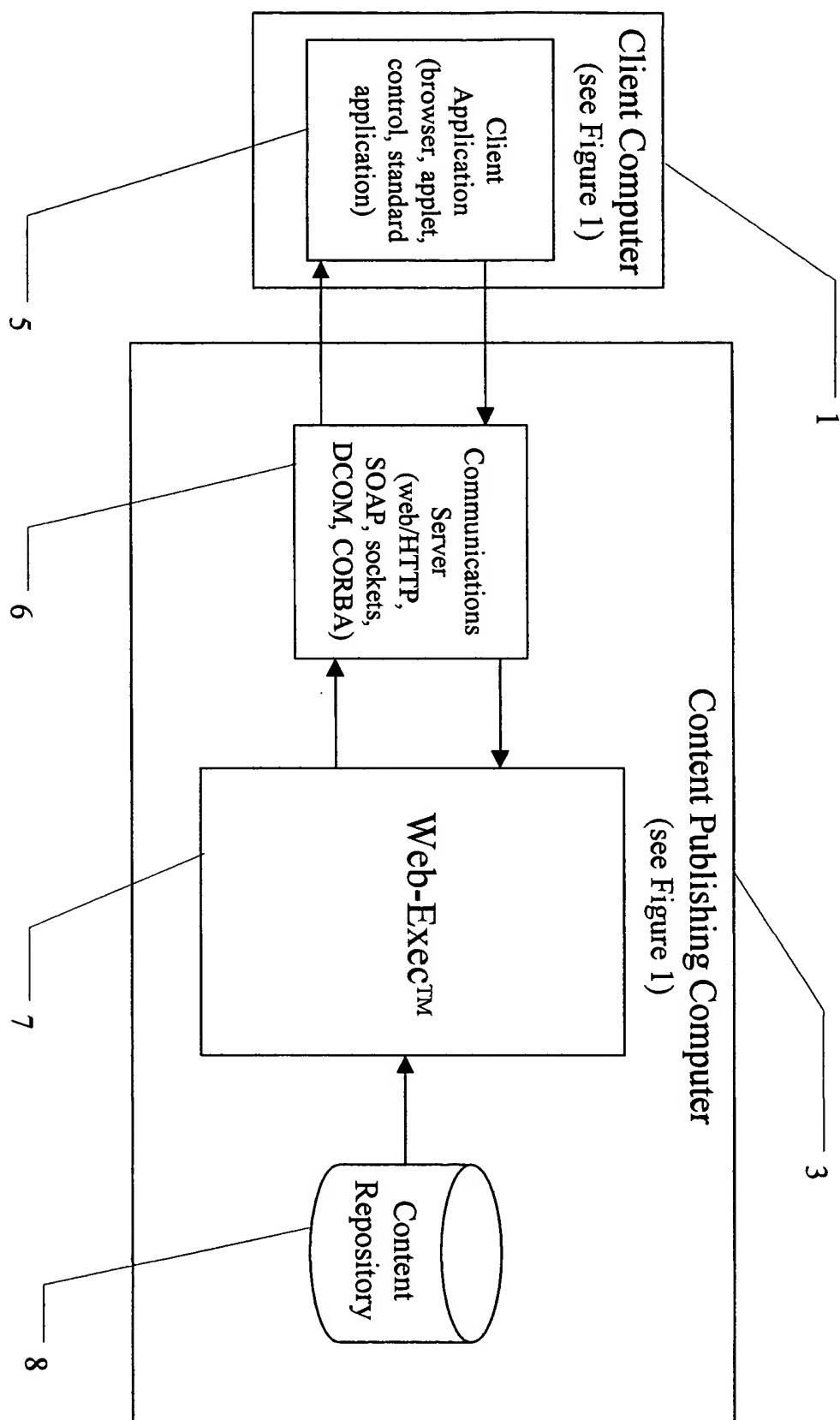


**Figure 1**

**Figure 2**



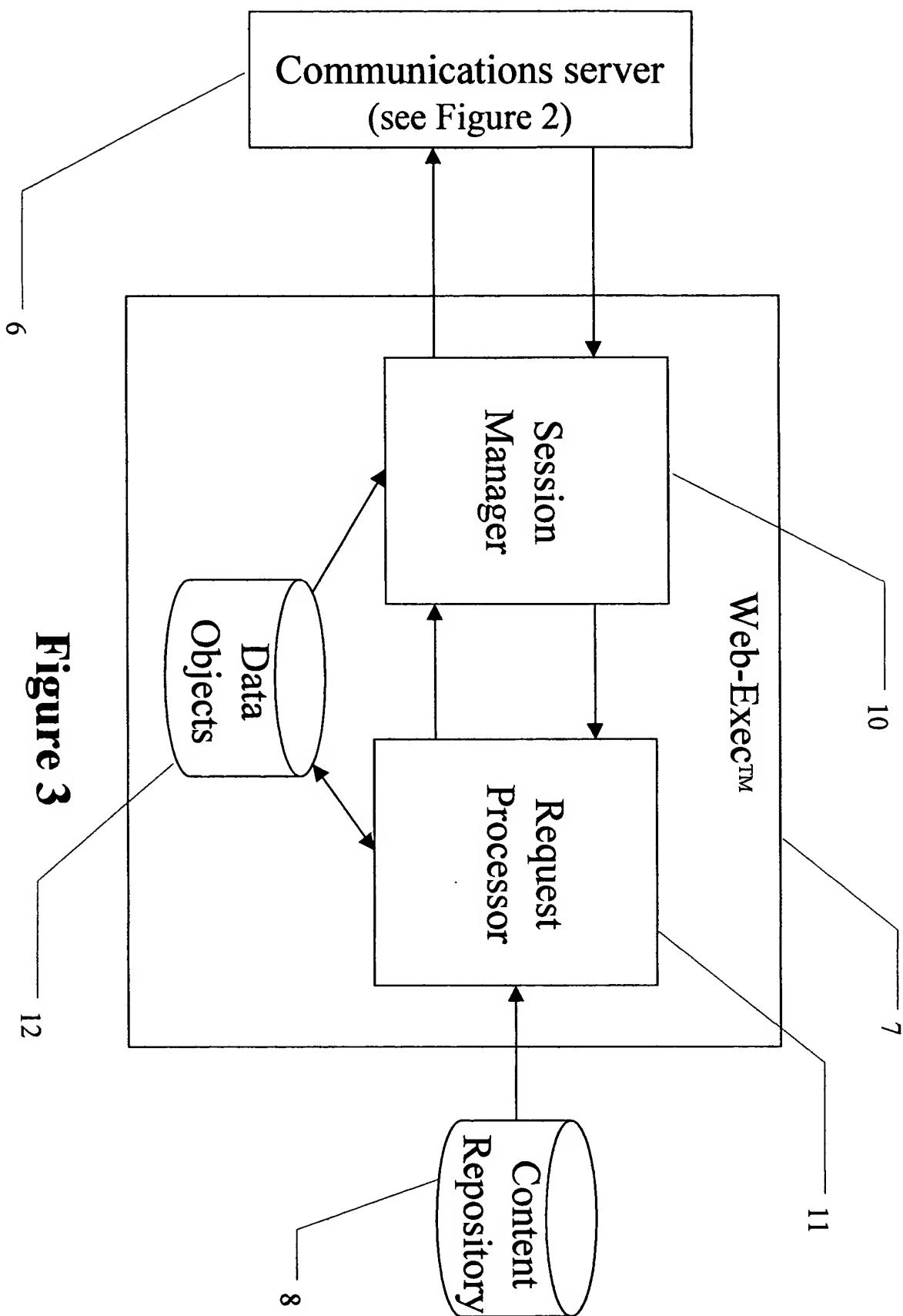
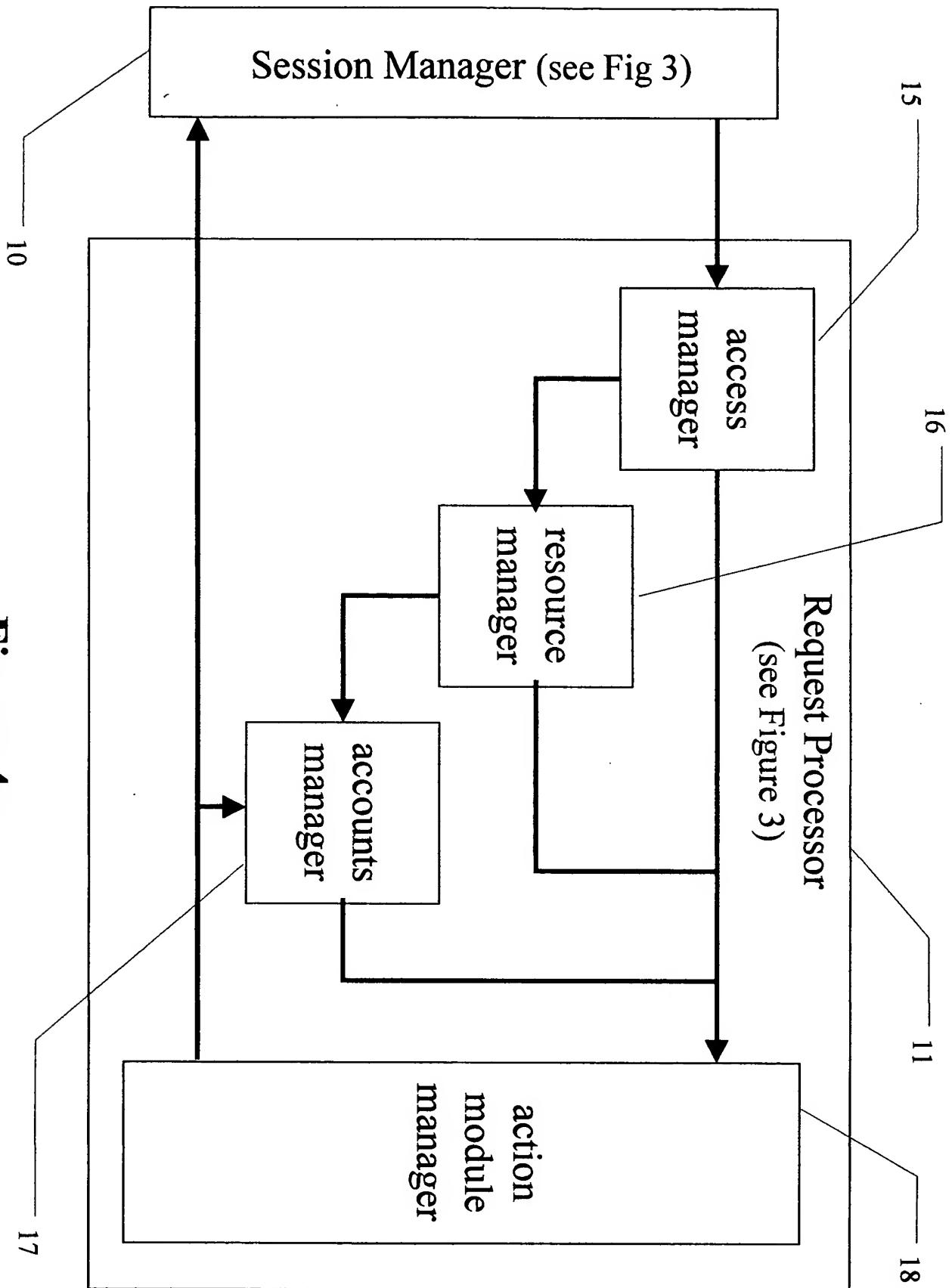
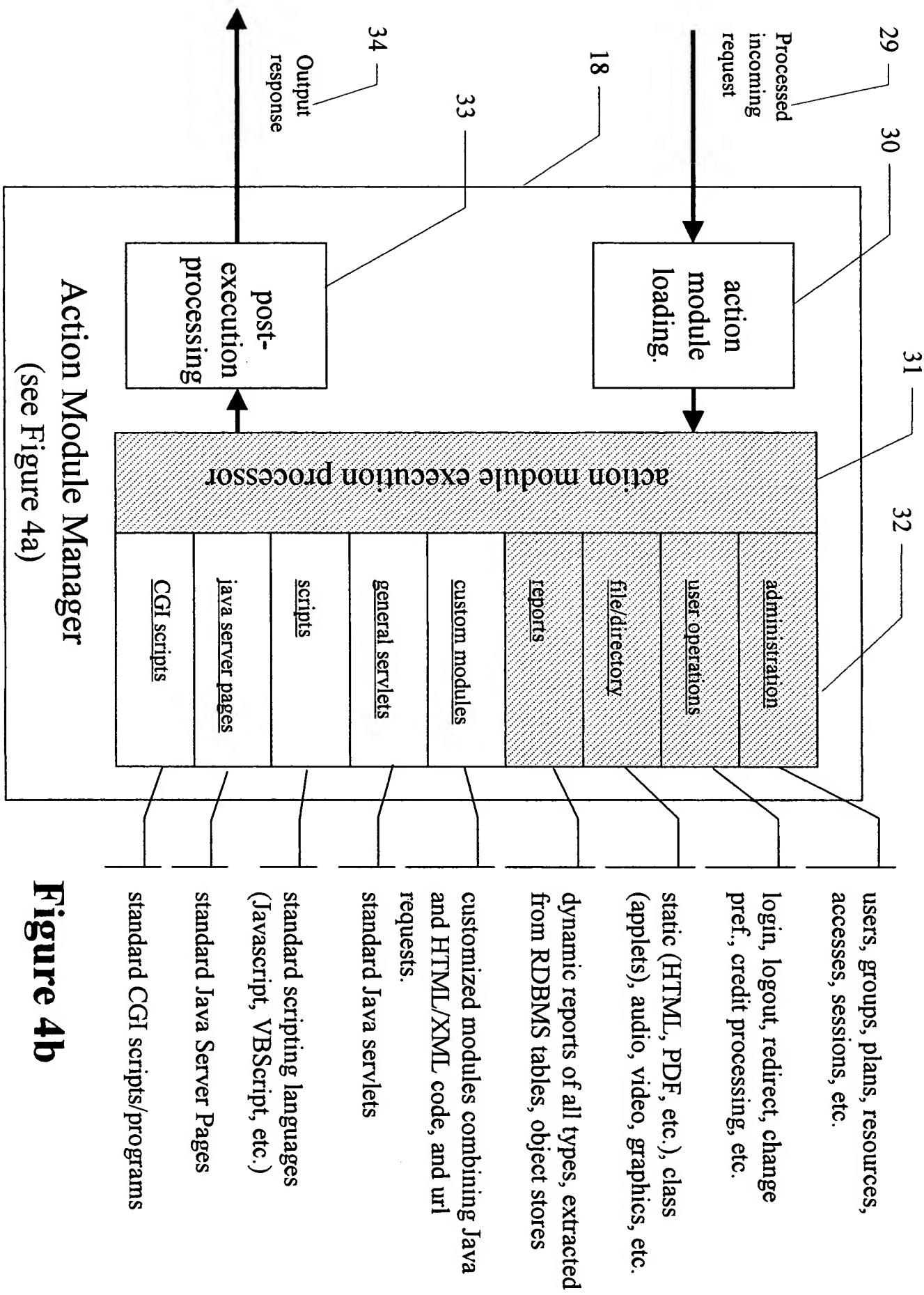


Figure 3

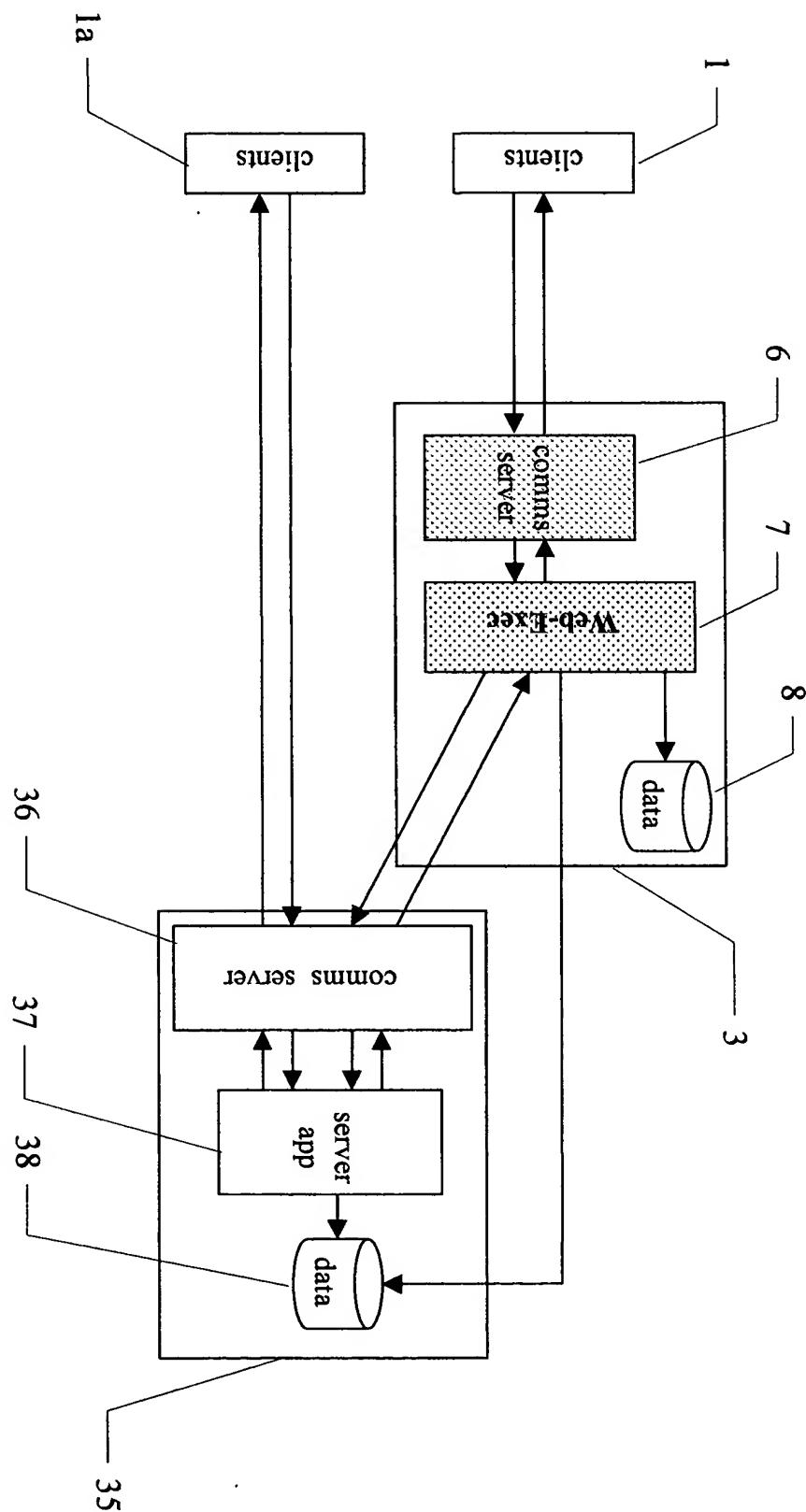


**Figure 4a**

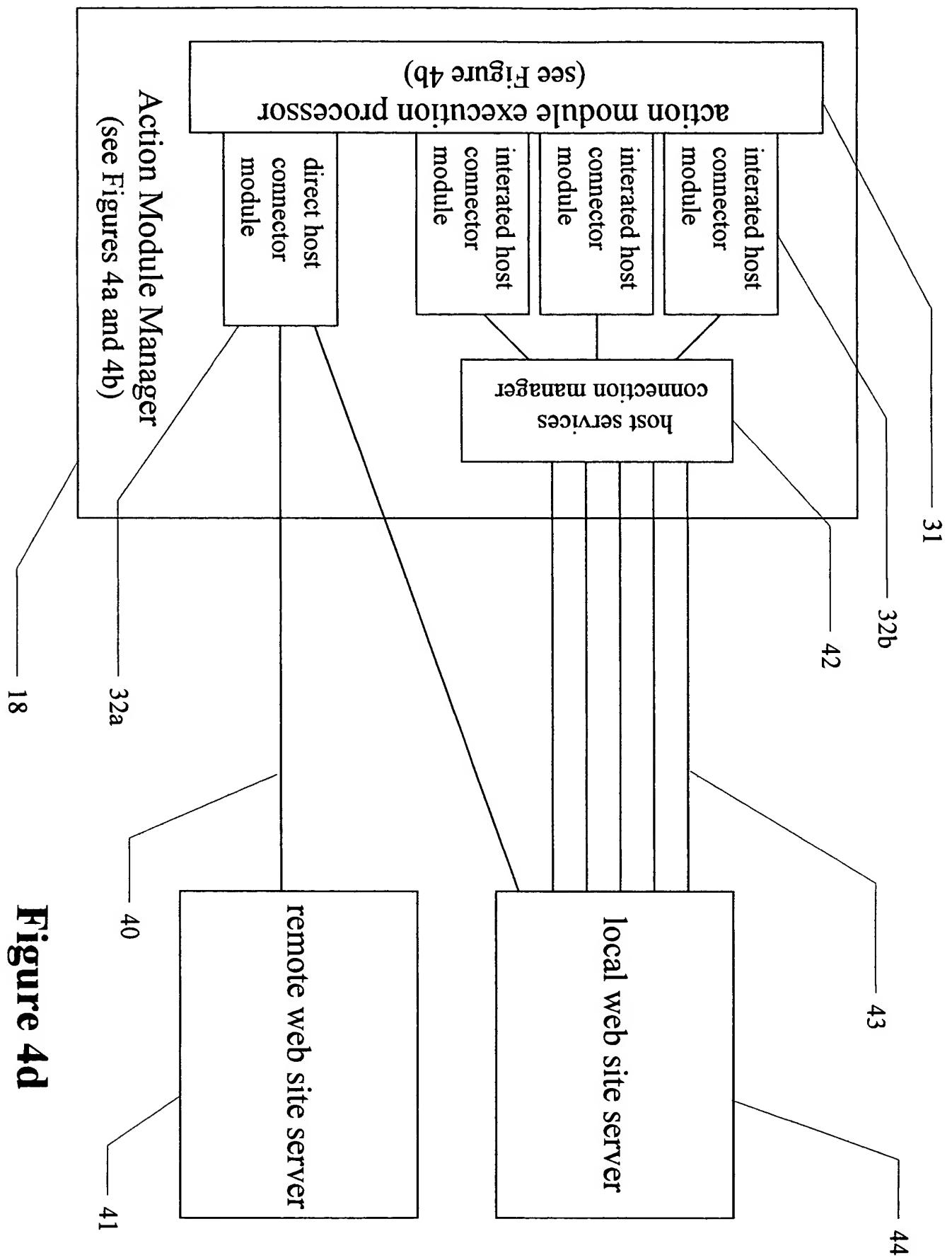


Action Module Manager  
(see Figure 4a)

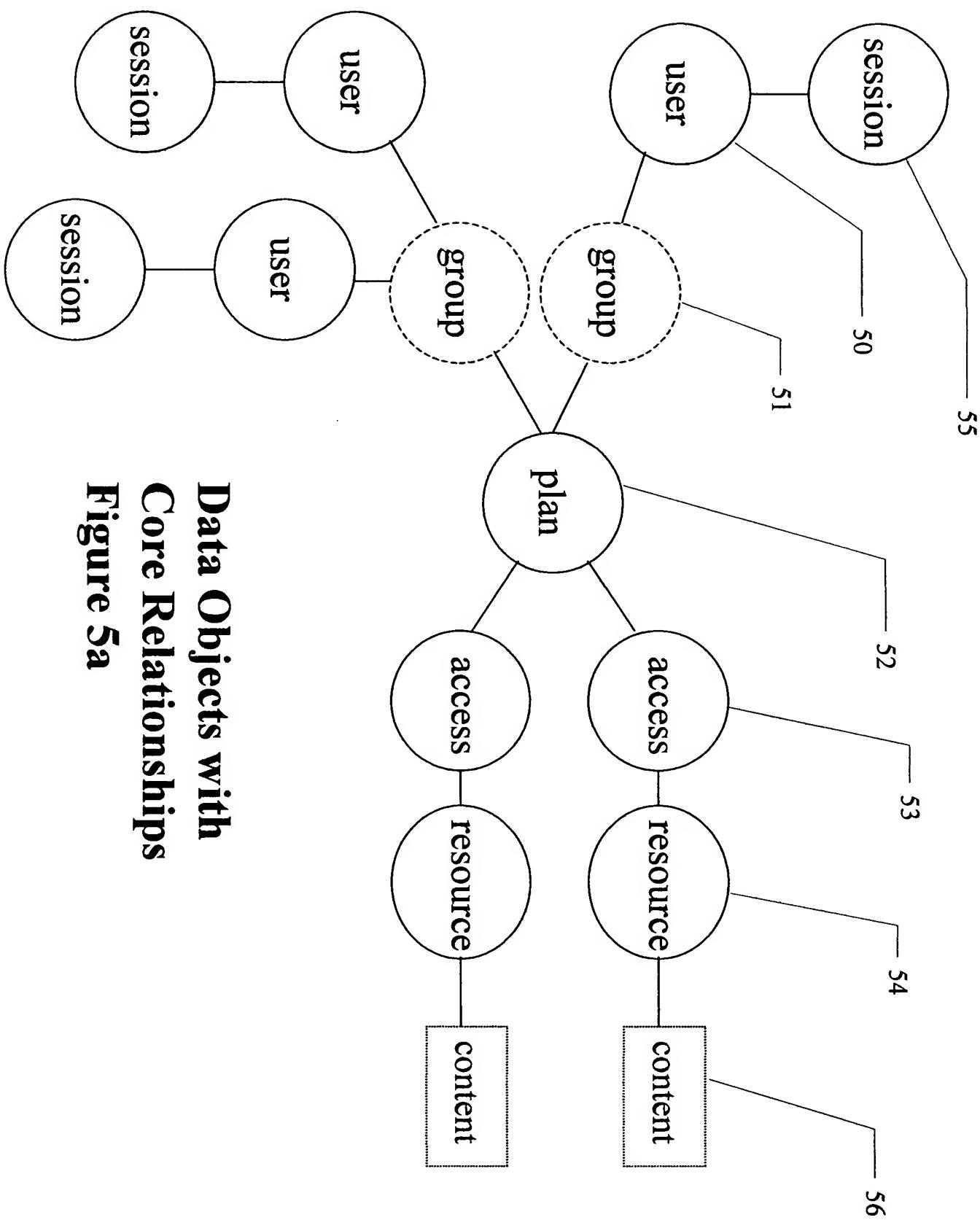
**Figure 4b**



**Figure 4c**



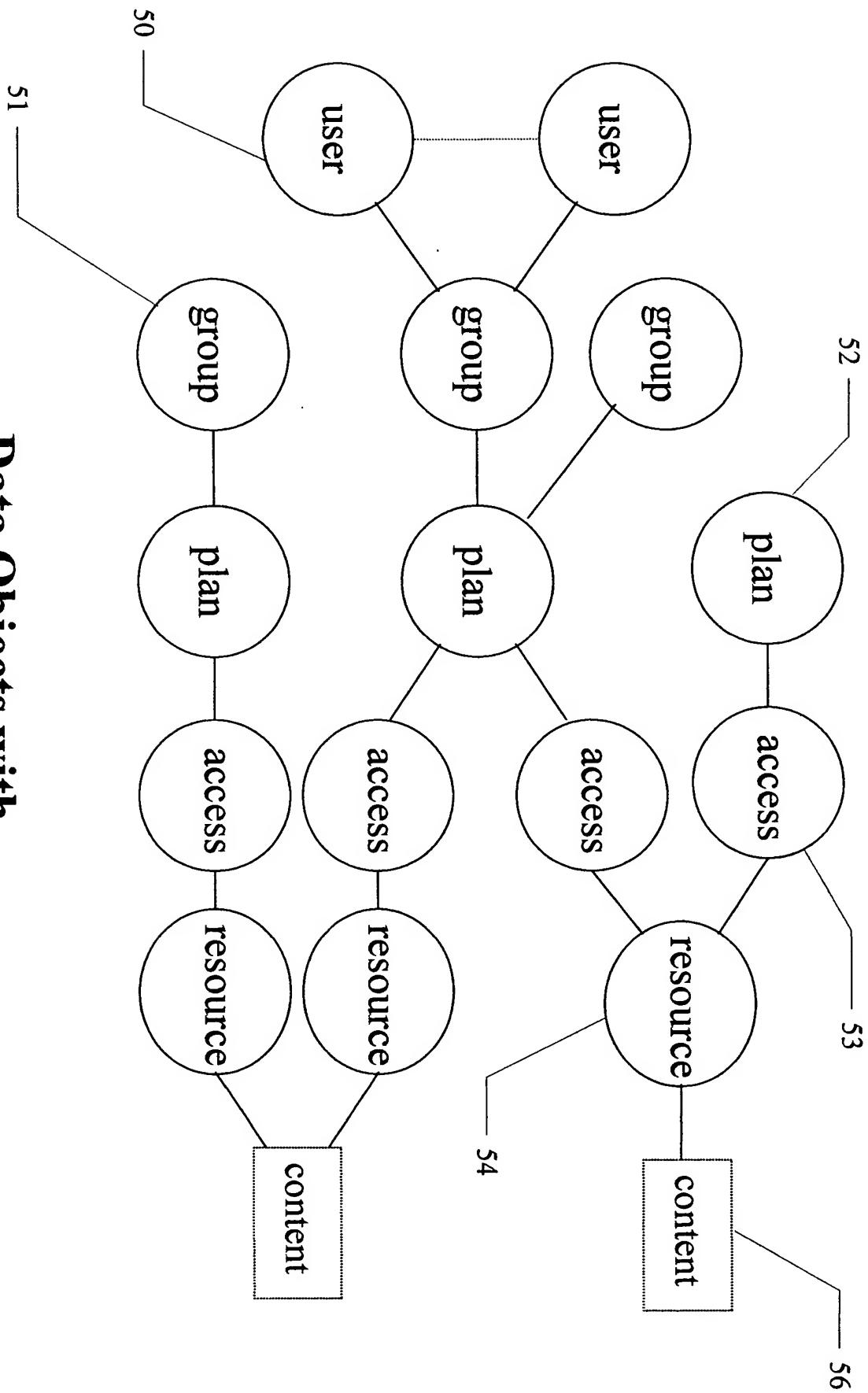
**Figure 4d**



**Data Objects with  
Core Relationships**  
**Figure 5a**

**Data Objects with  
Extended Relationships**

**Figure 5b**



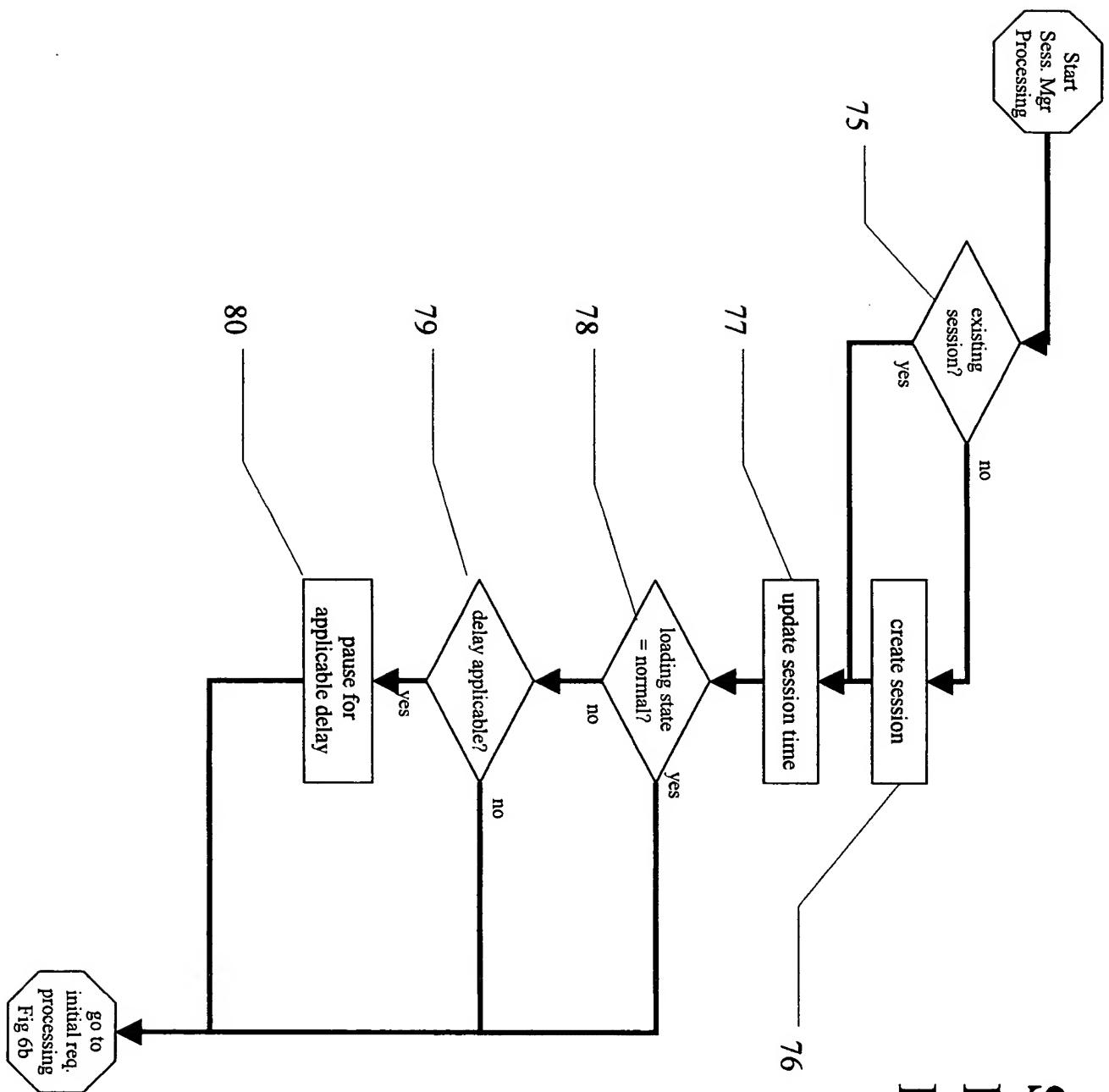
user	group	plan	access	resource	session
user_name password expiration_date group account_balance credit_limit disabled_flag credit account update administrator_level confirm confirm_total confirm_sess_trigger confirm_threshold activation_code activation_code_expire pwd_chg_allowed concurrent_limit concurrent_number concurrent_charge concurrent_action last_login email credit_limit	group_name plan credit_limit max_user_credit credit_balance payment amount payment interval next_payment_due grace_period account_balance max_user_balance group_manager discount disable groupstype	plan_name base_discount use_credit_flag secure_mode volume_discount volume_level alias	plan resource access_flag location credits price suppress_duplicates summary keywords	resource name description location plan current_url previous_url visited_urls purchases credits temp_account balance verify_purchase verify_credit last_visited max_idle max_late max_expire	session_id user plan current_url previous_url visited_urls purchases credits temp_account balance verify_purchase verify_credit last_visited max_idle max_late max_expire

**Key properties of Data Objects**

**Figure 5c**

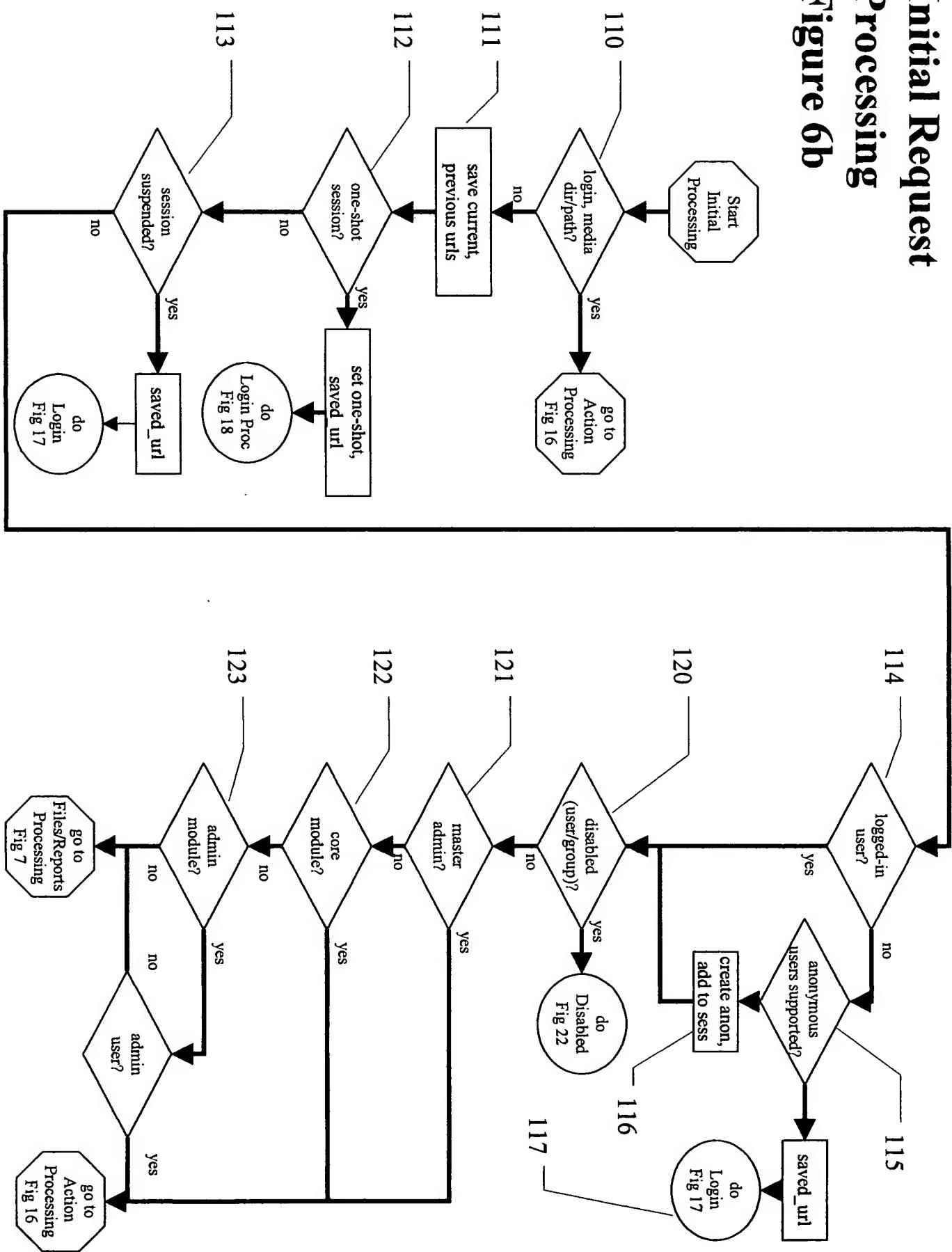
# Session Manager Processing

## Figure 6a



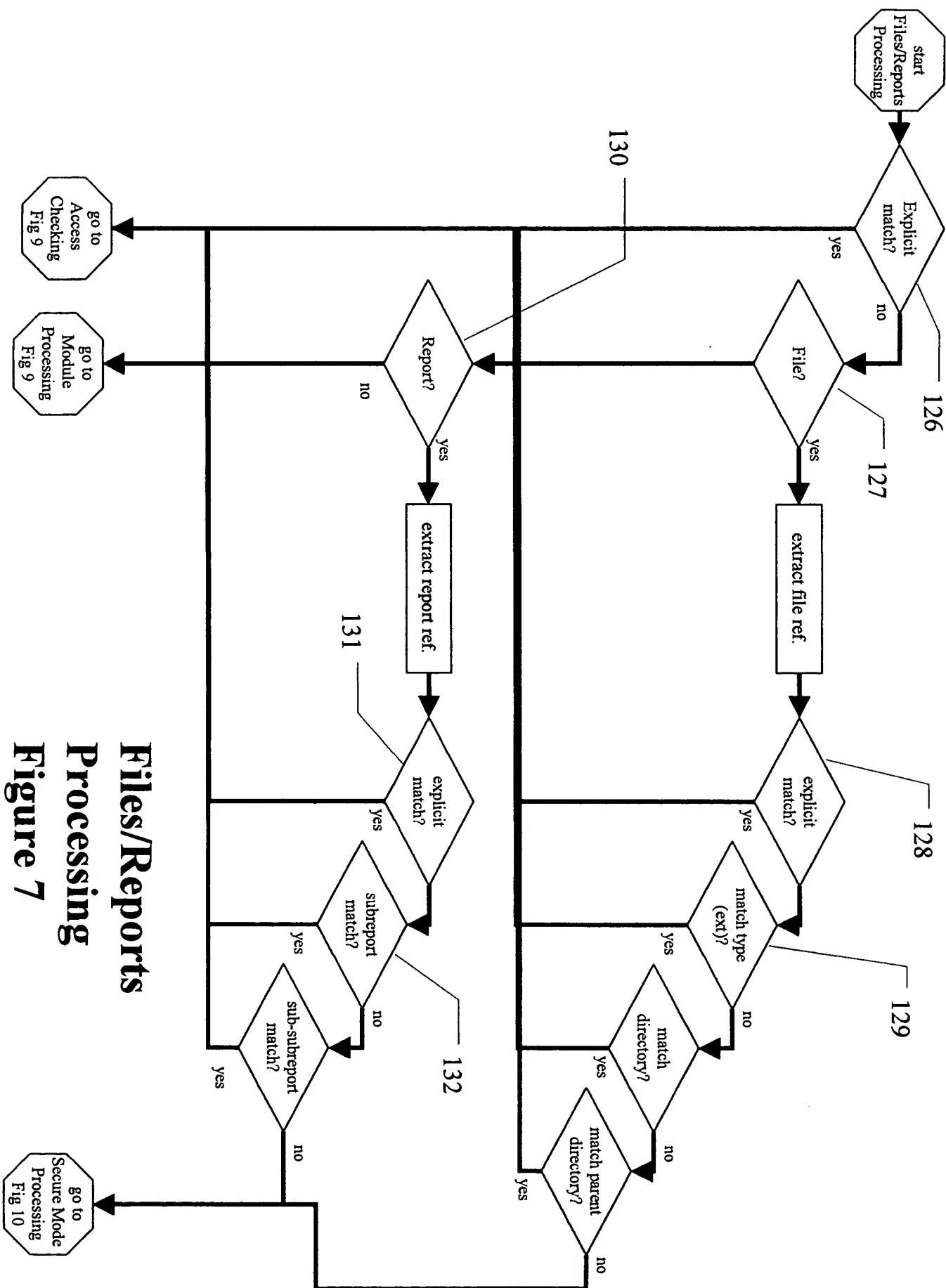
## Initial Request

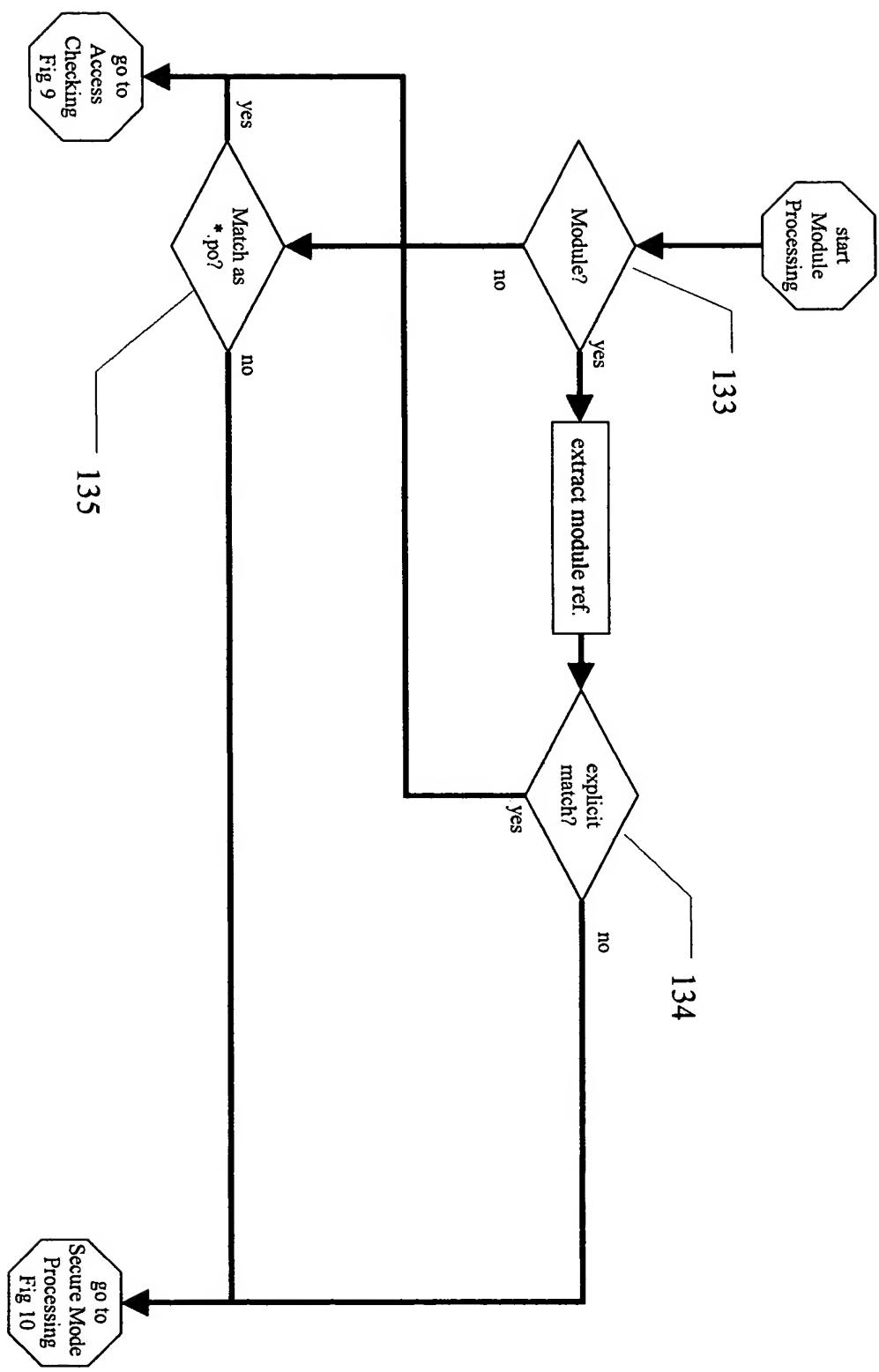
**Figure 6b**



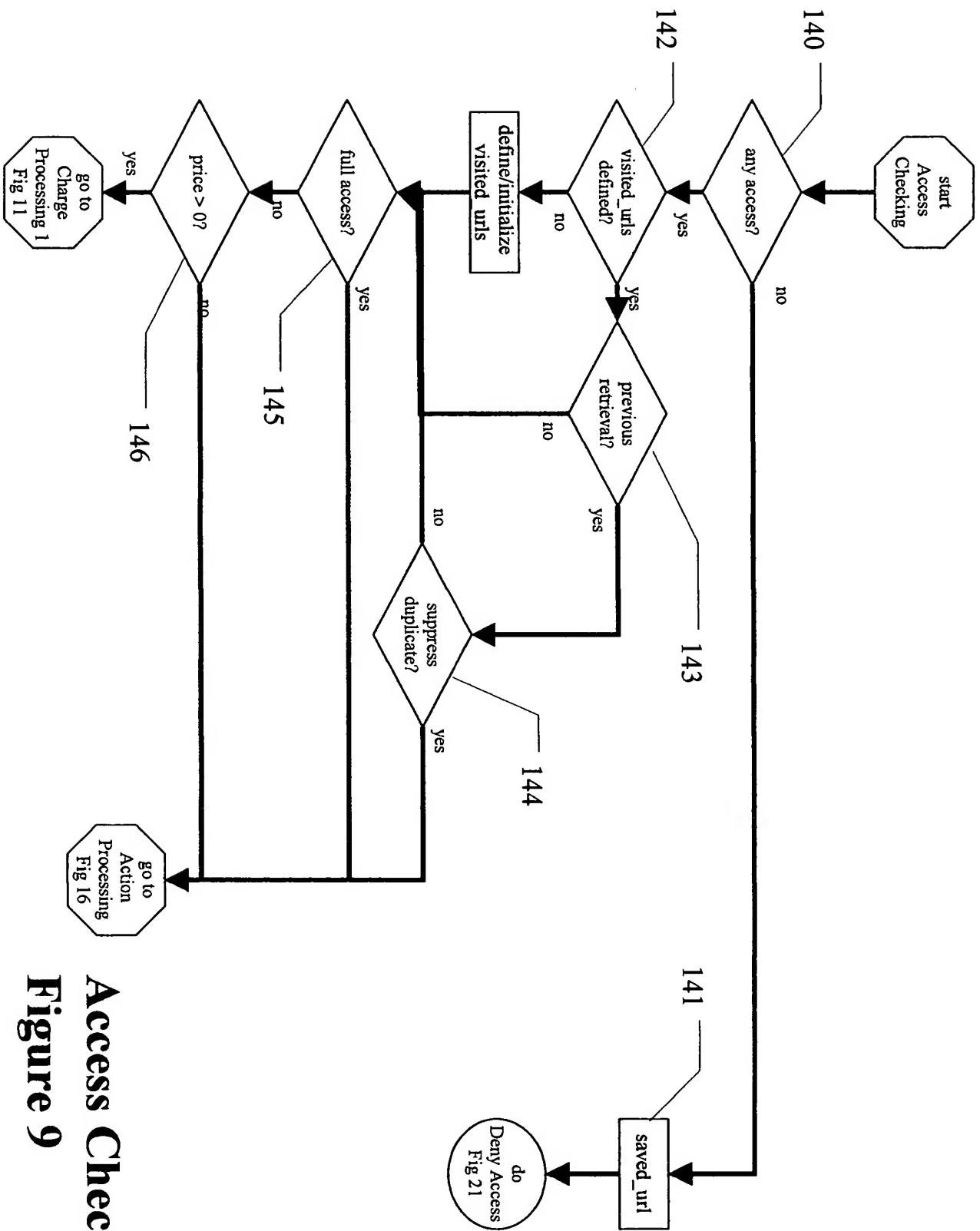
# Files/Reports Processing

## Figure 7

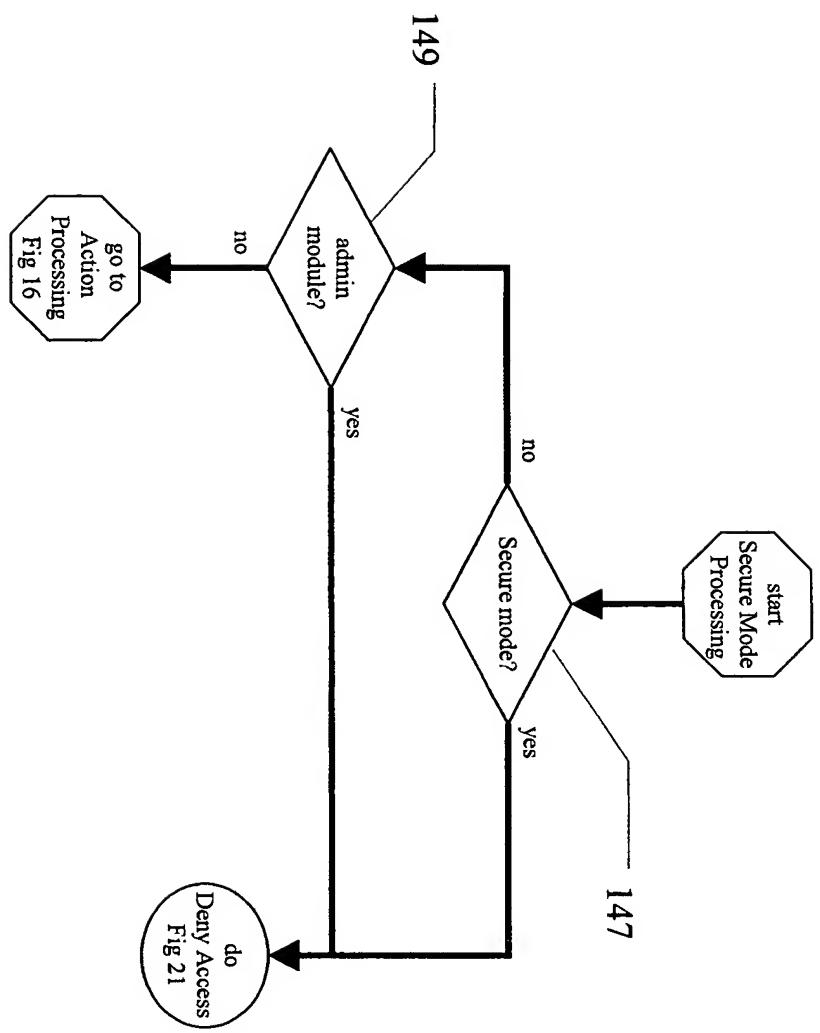




**Module Processing**  
**Figure 8**

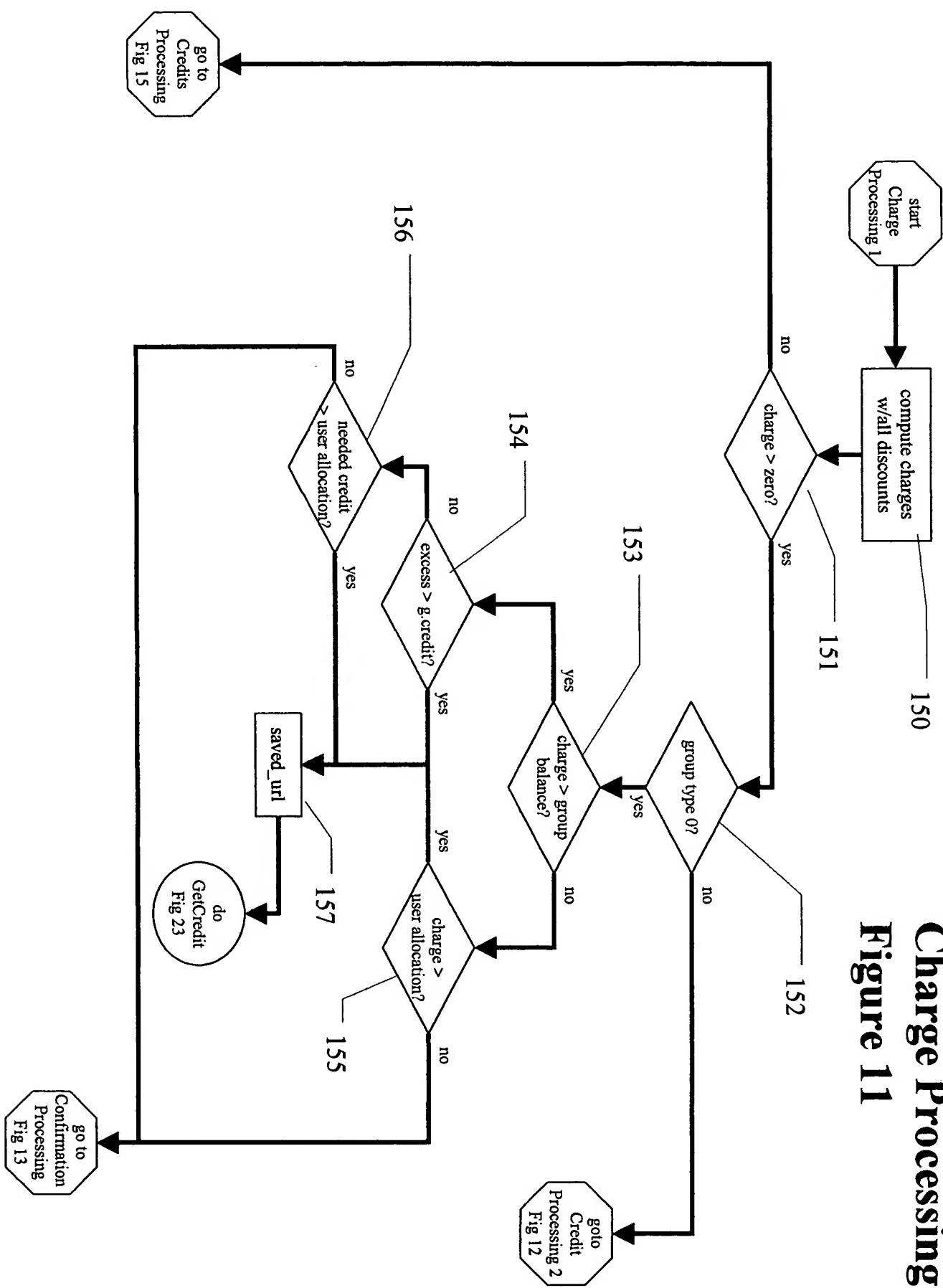


**Access Checking**  
**Figure 9**

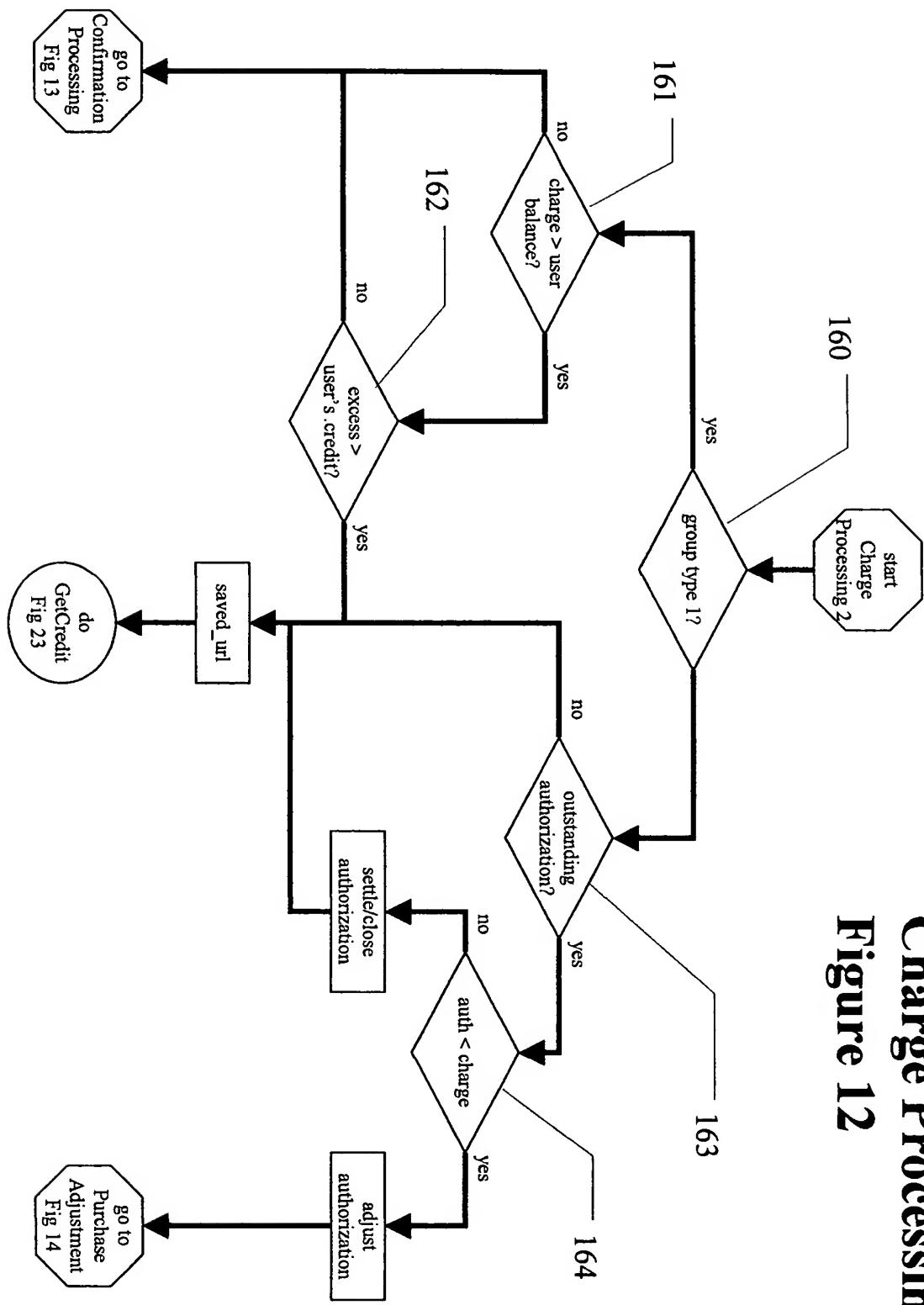


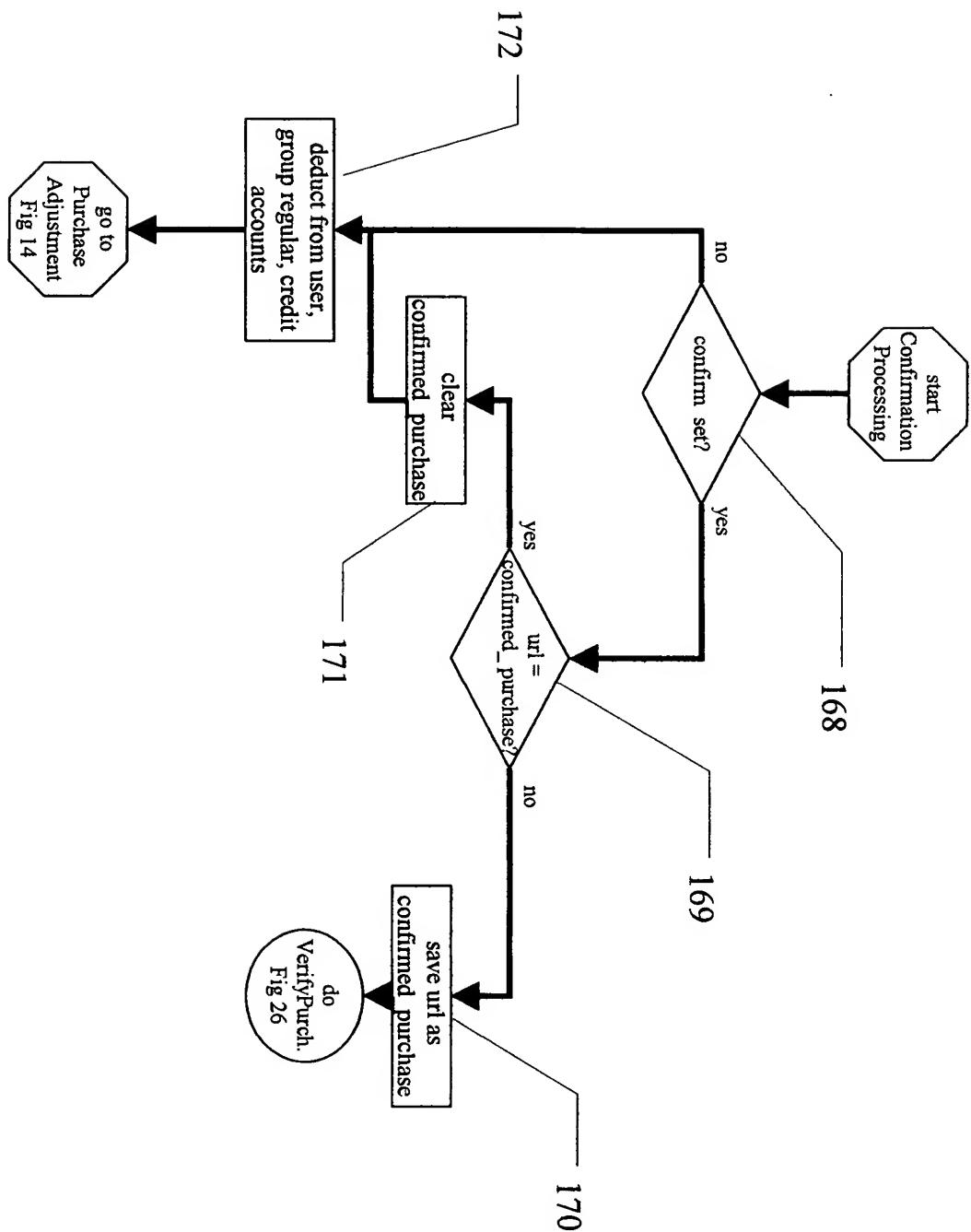
**Secure Mode Processing**  
**Figure 10**

## Charge Processing 1



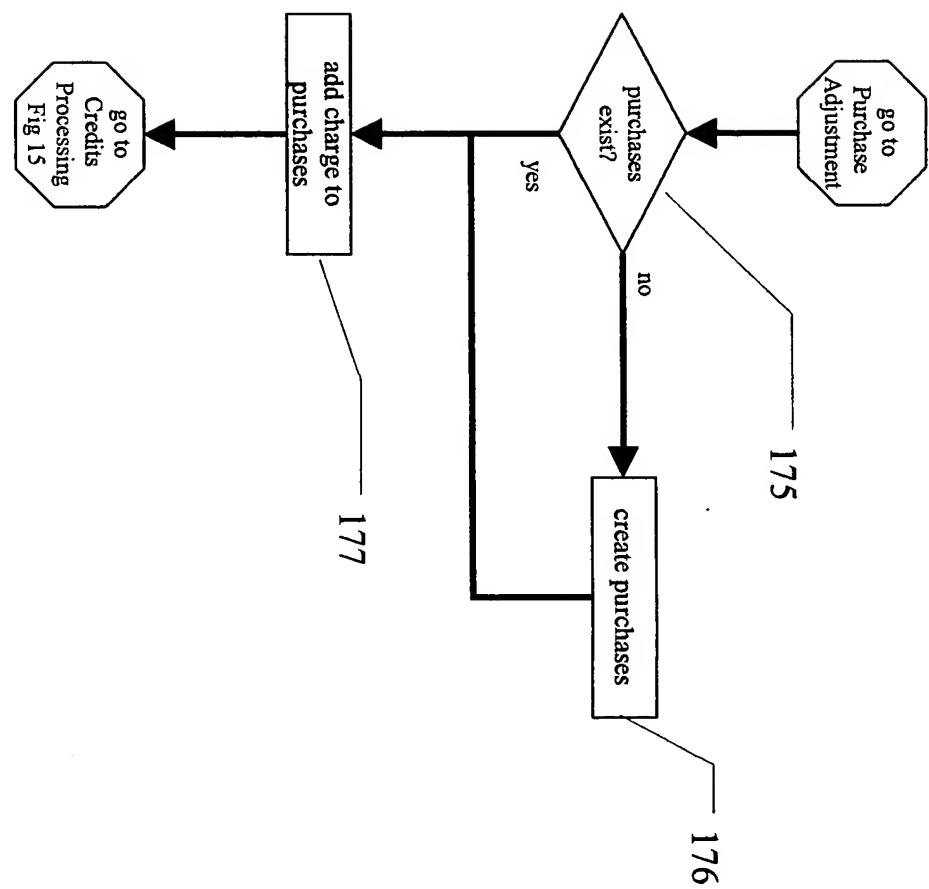
**Charge Processing 2**  
**Figure 12**



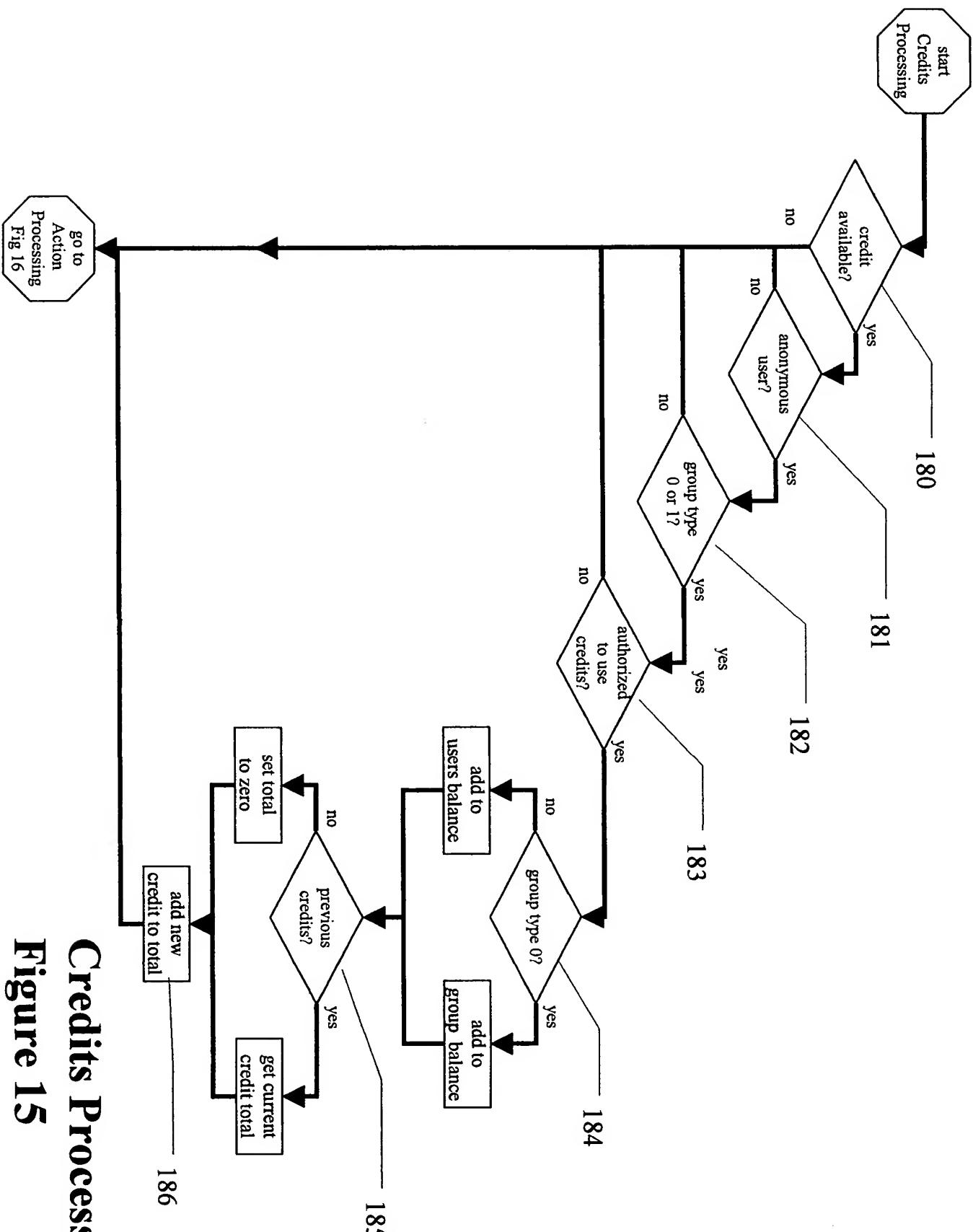


# Confirmation Processing

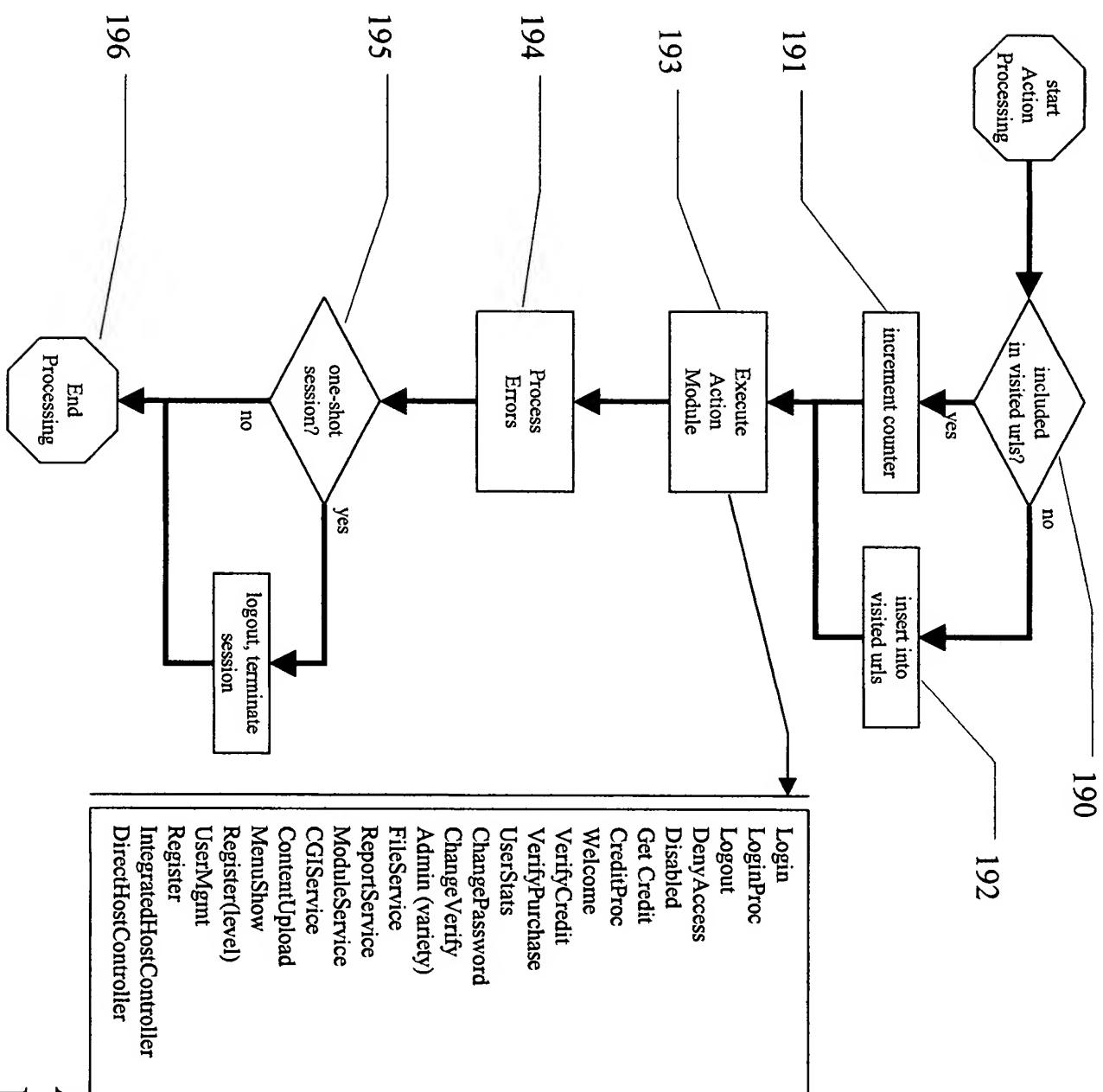
## Figure 13



Purchase Adjustment  
Figure 14



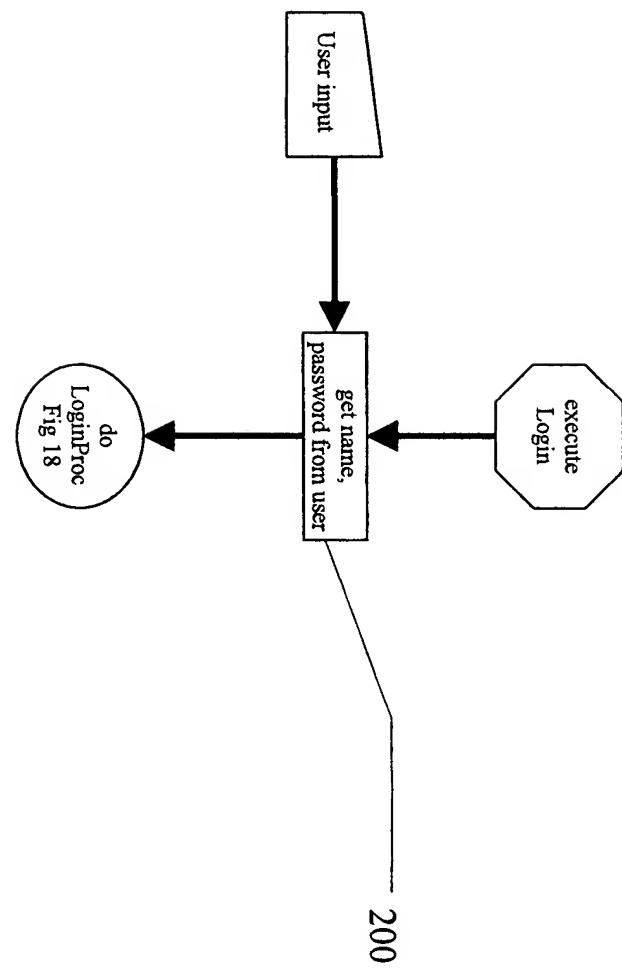
**Credits Processing**  
**Figure 15**



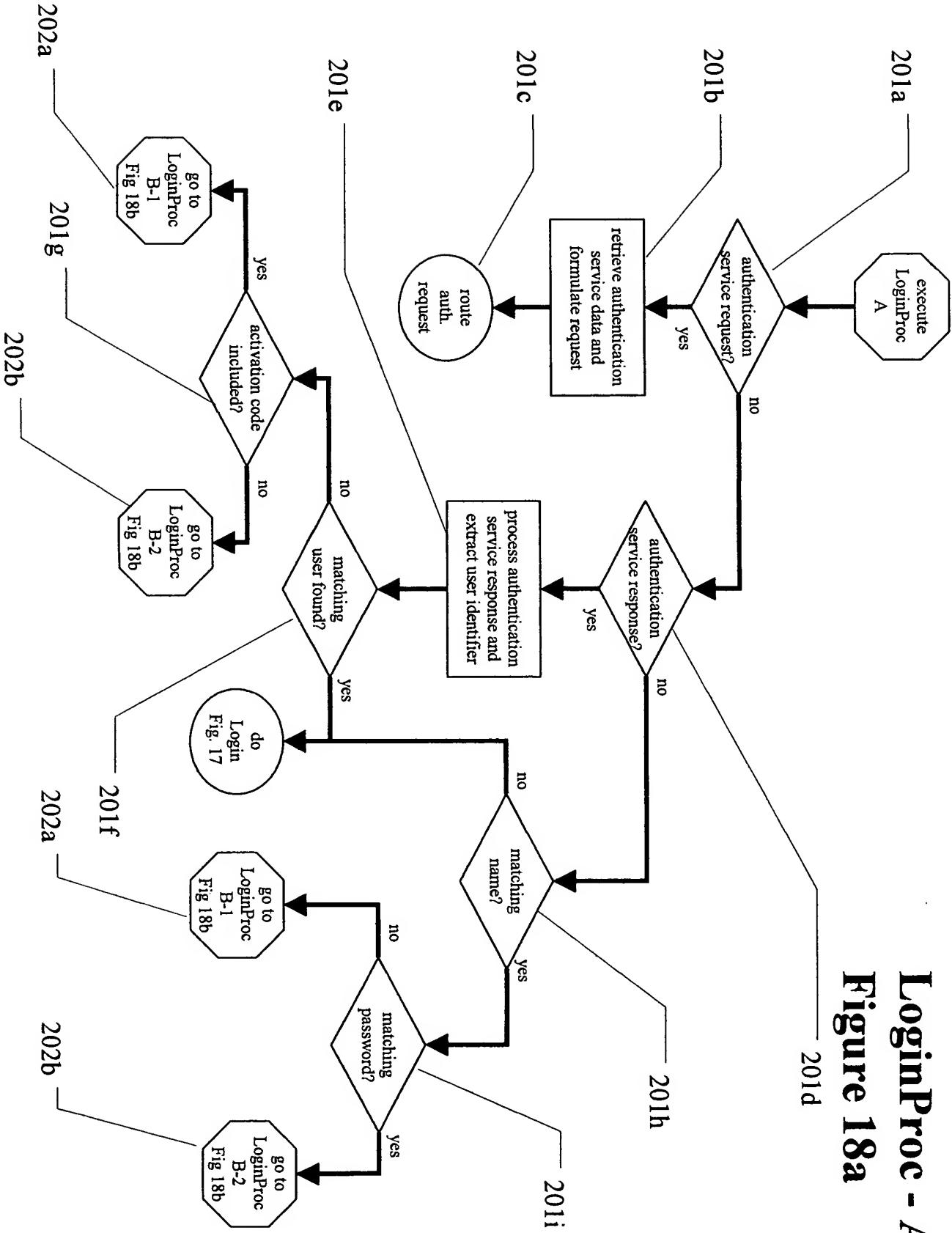
**Action Processing**  
**Figure 16**

# Login

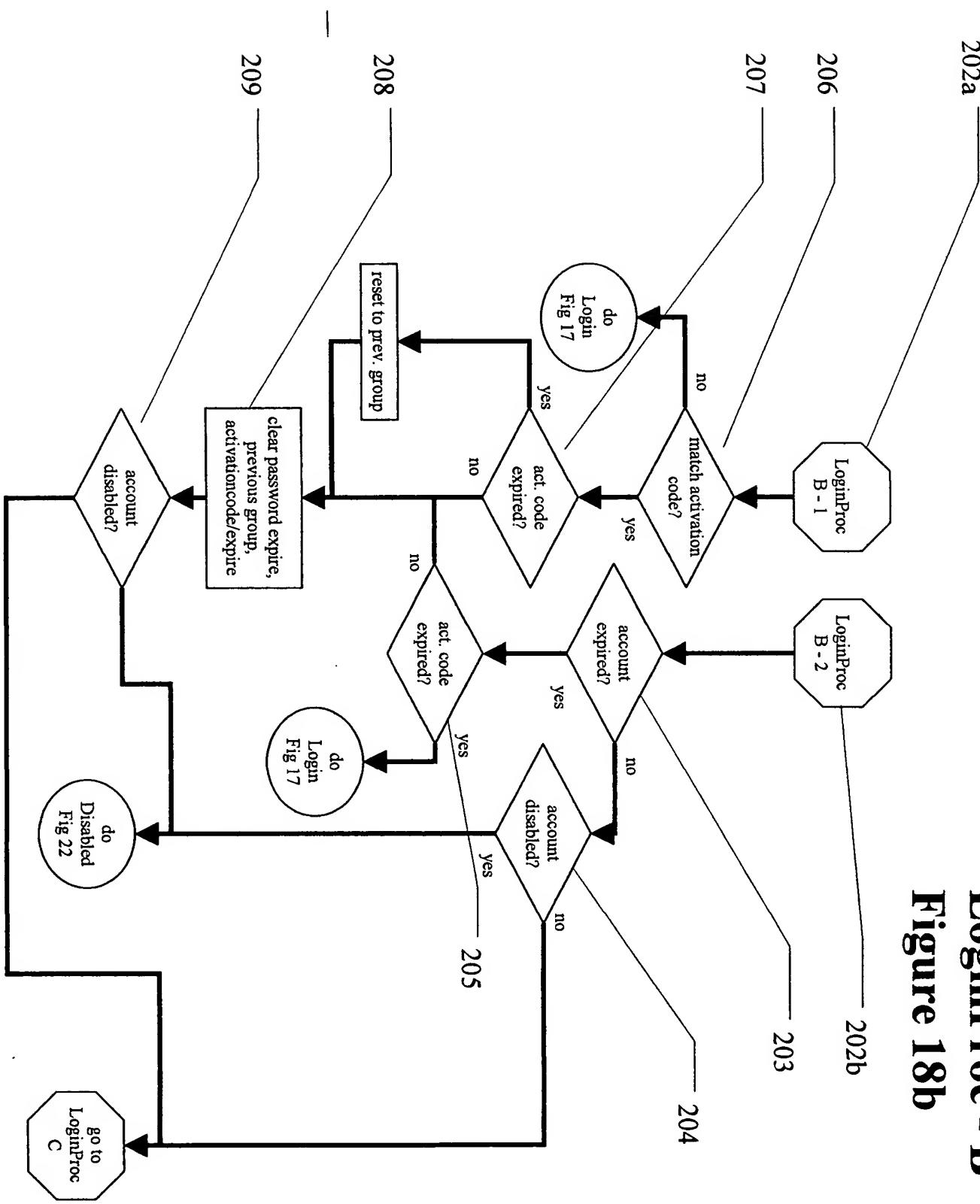
## Figure 17



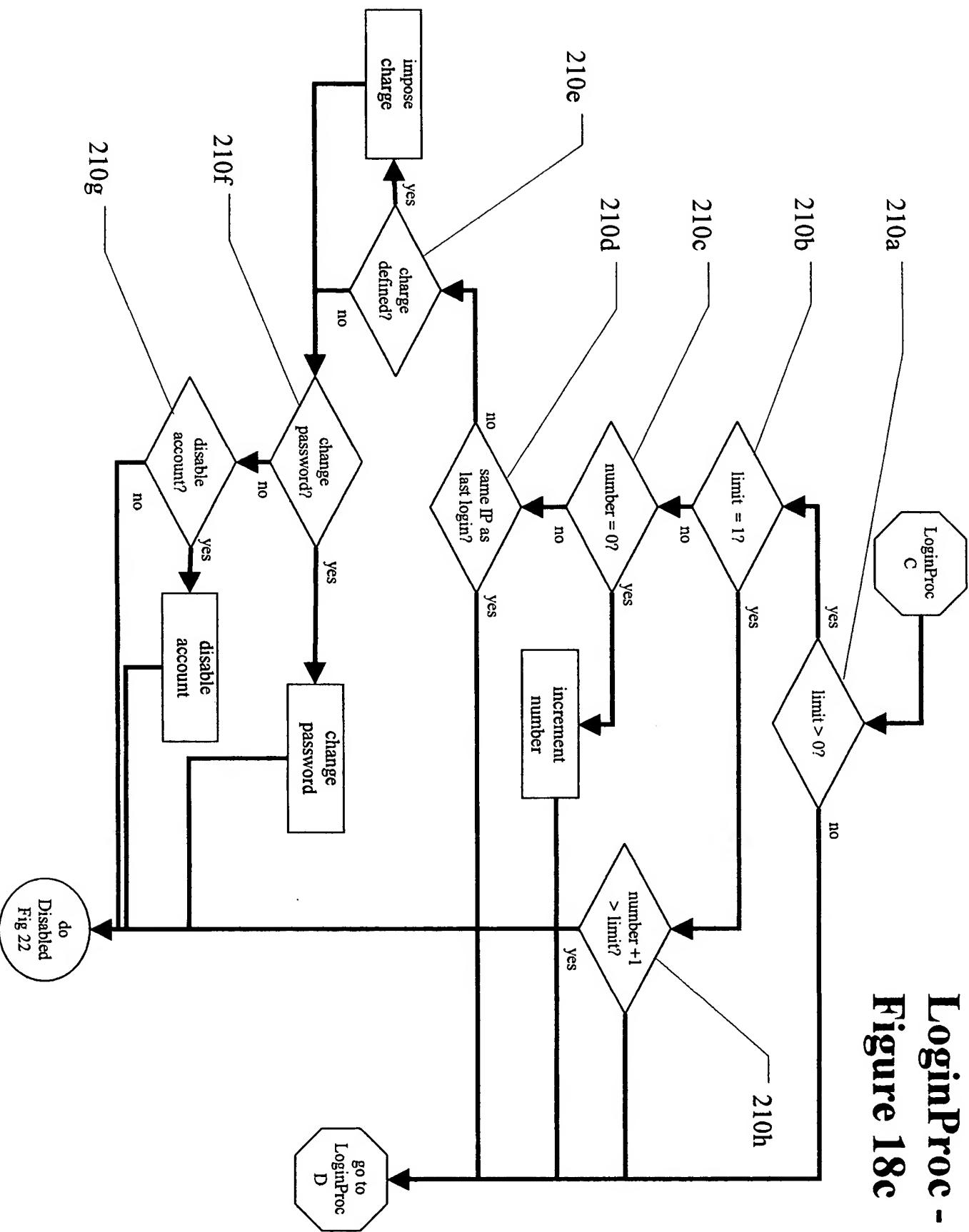
## LoginProc - A



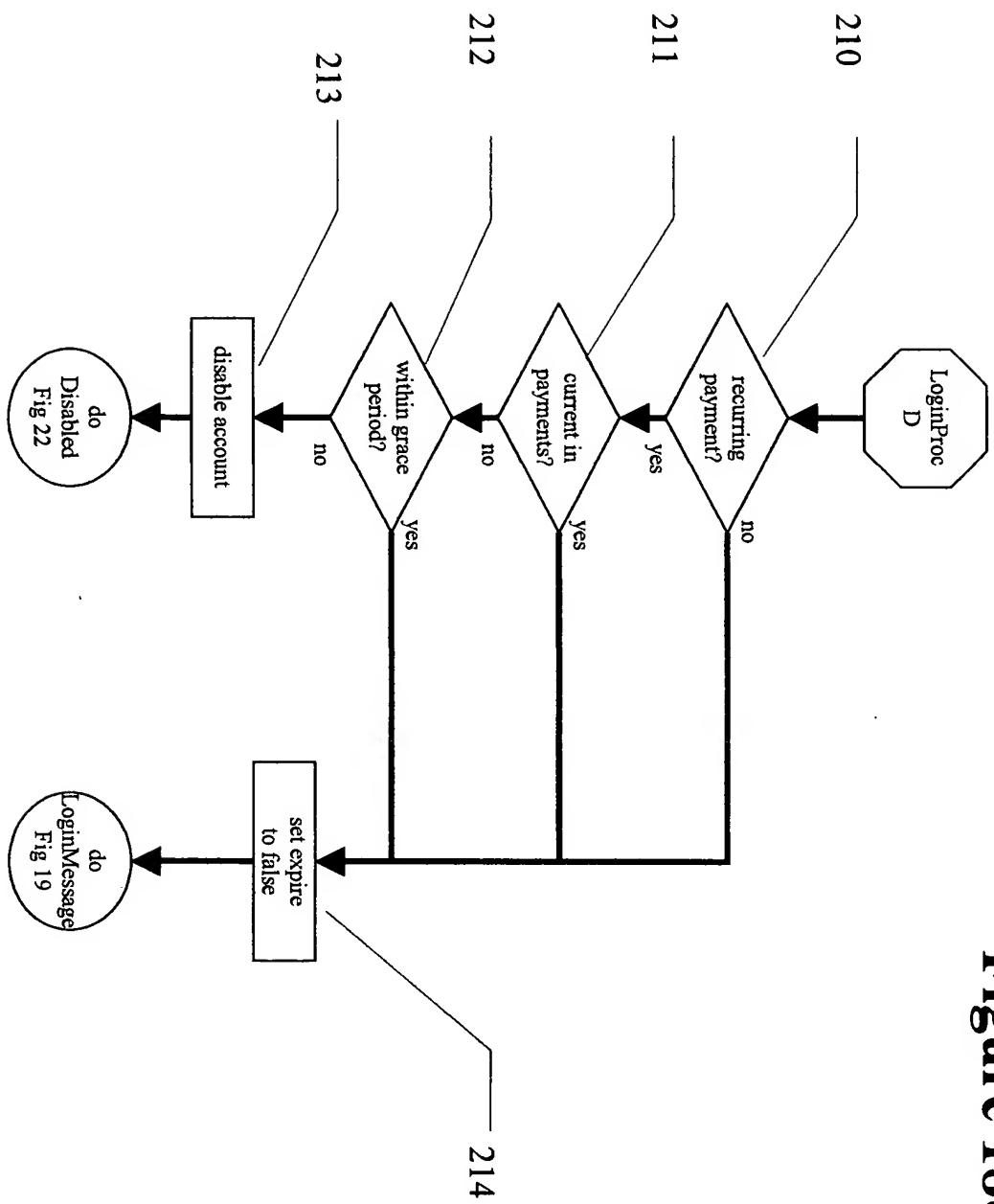
## LoginProc - B



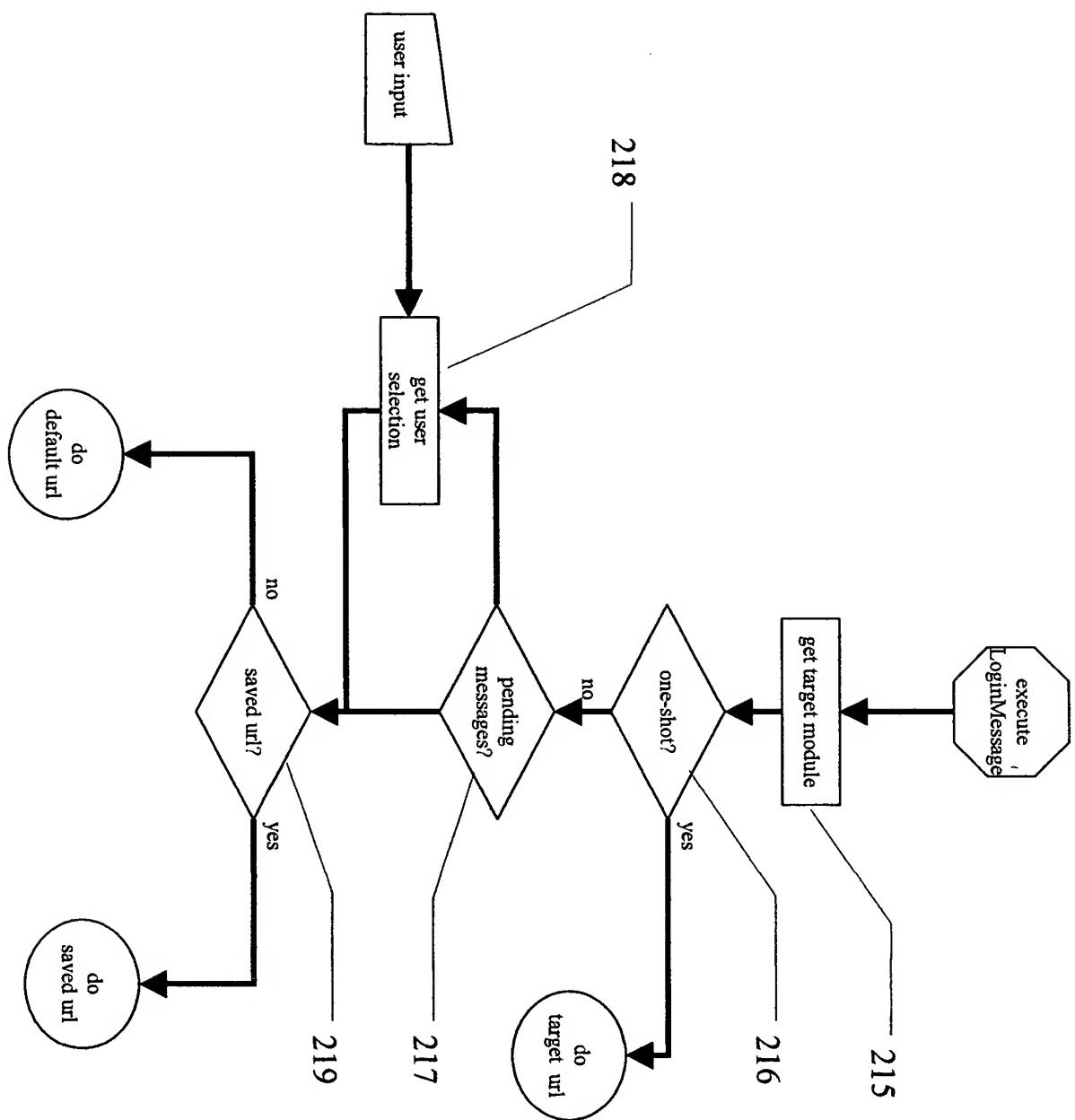
## LoginProc - C



**LoginProc - D**  
**Figure 18d**

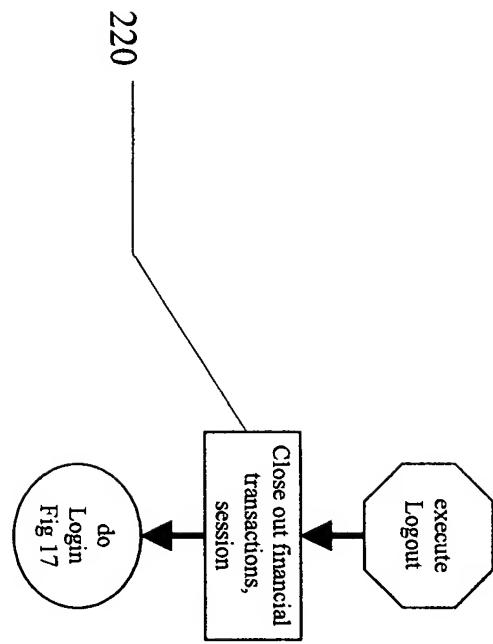


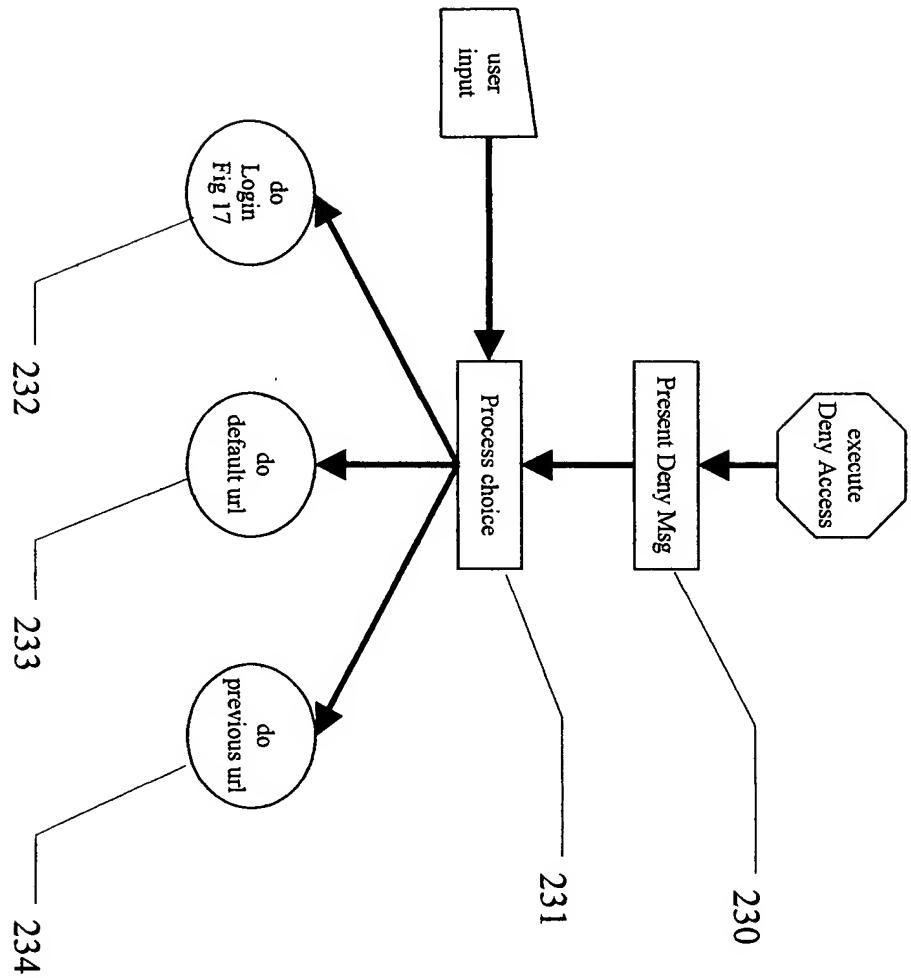
**LoginMessage**  
**Figure 19**



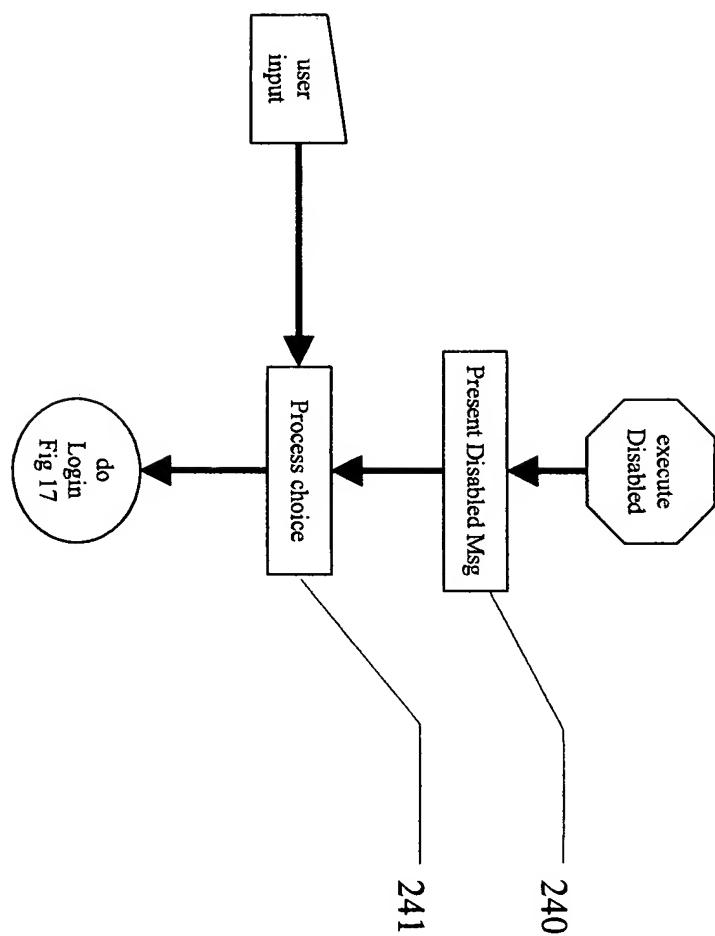
# Logout

## Figure 20





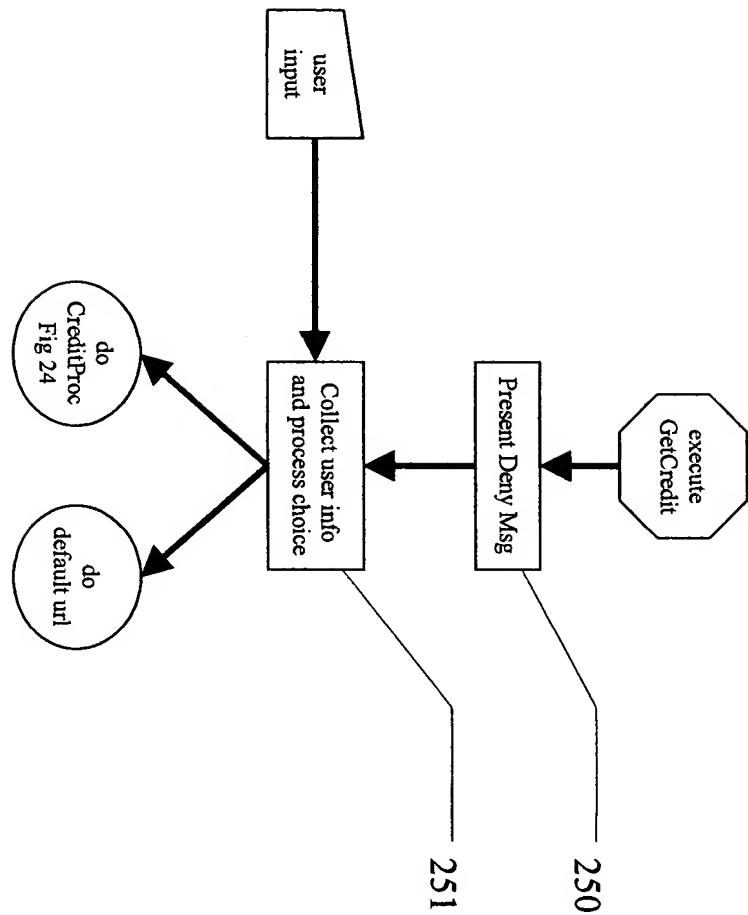
**Deny Access**  
**Figure 21**

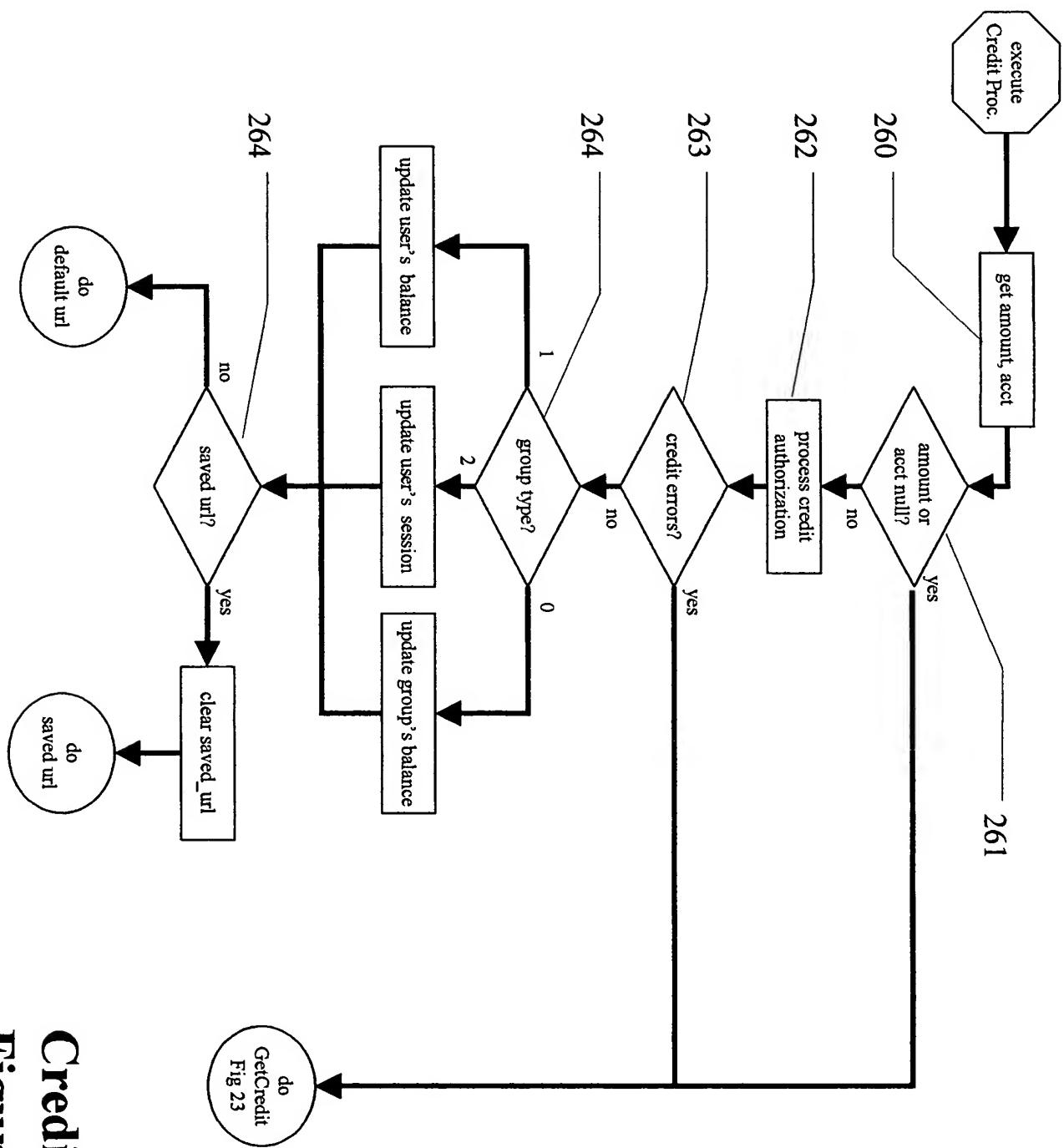


**Disabled**  
**Figure 22**

# GetCredit

## Figure 23

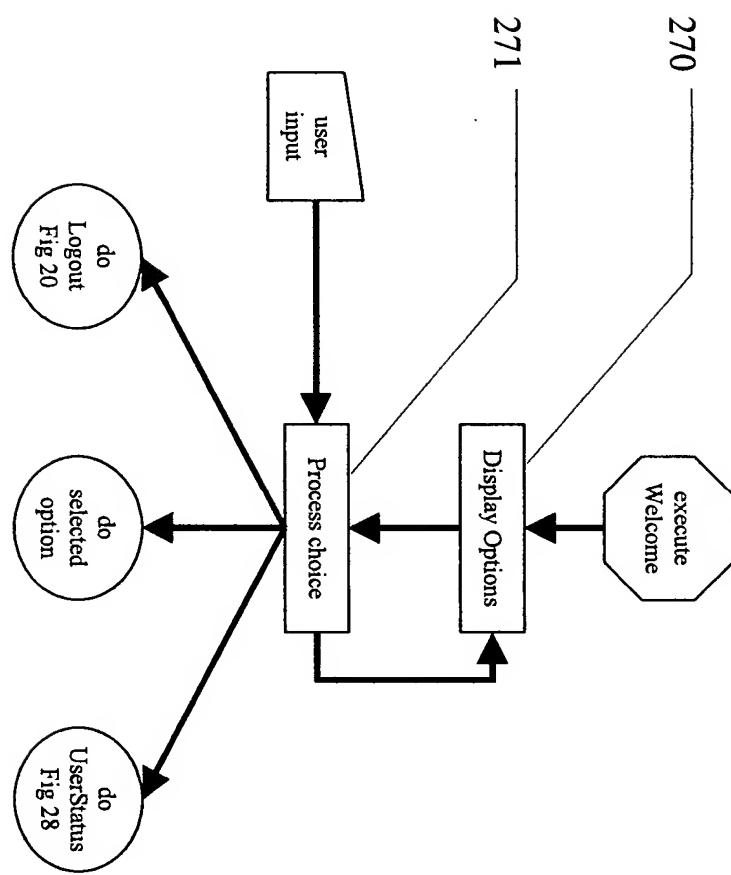


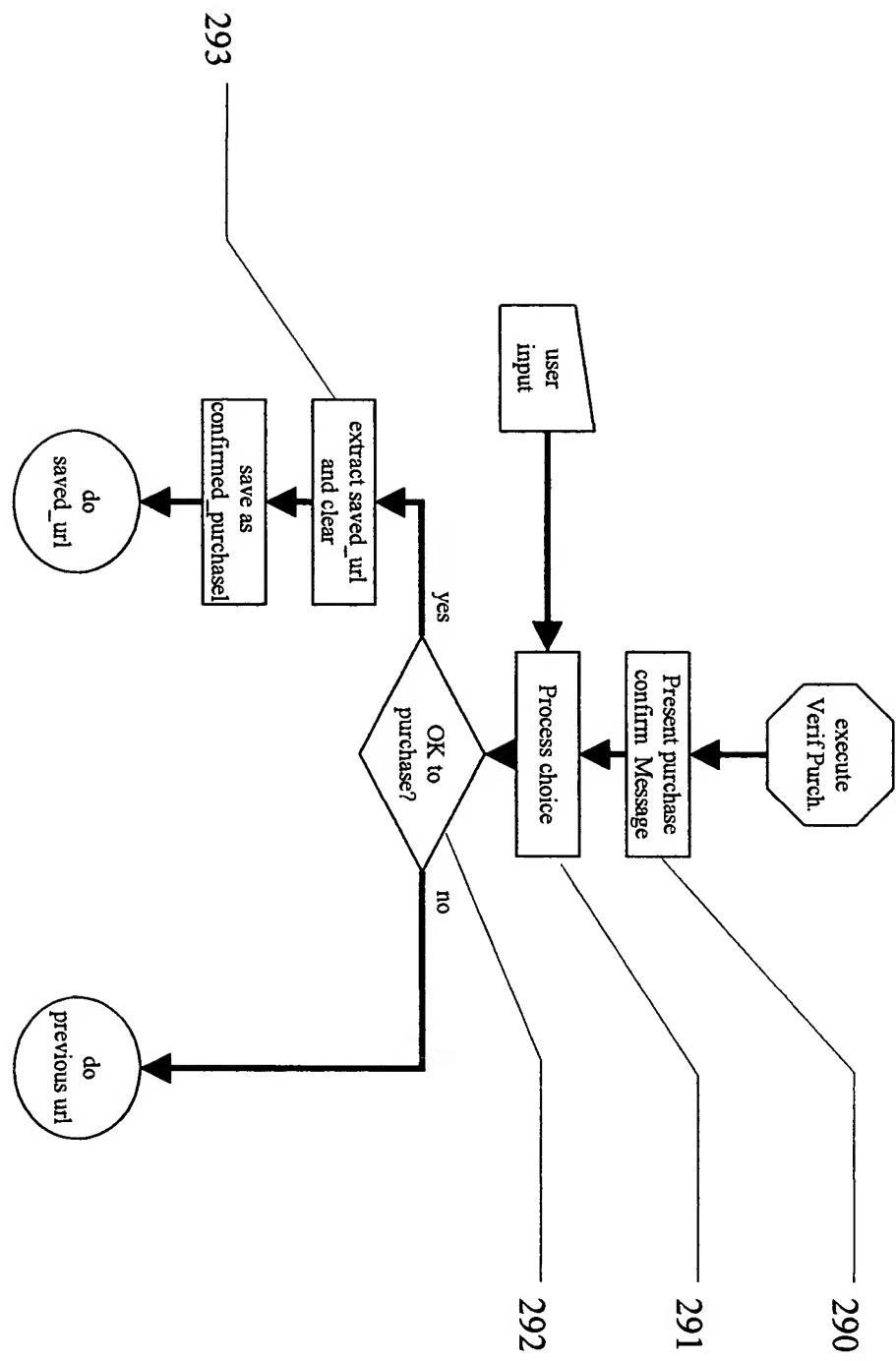


**CreditProc**  
**Figure 24**

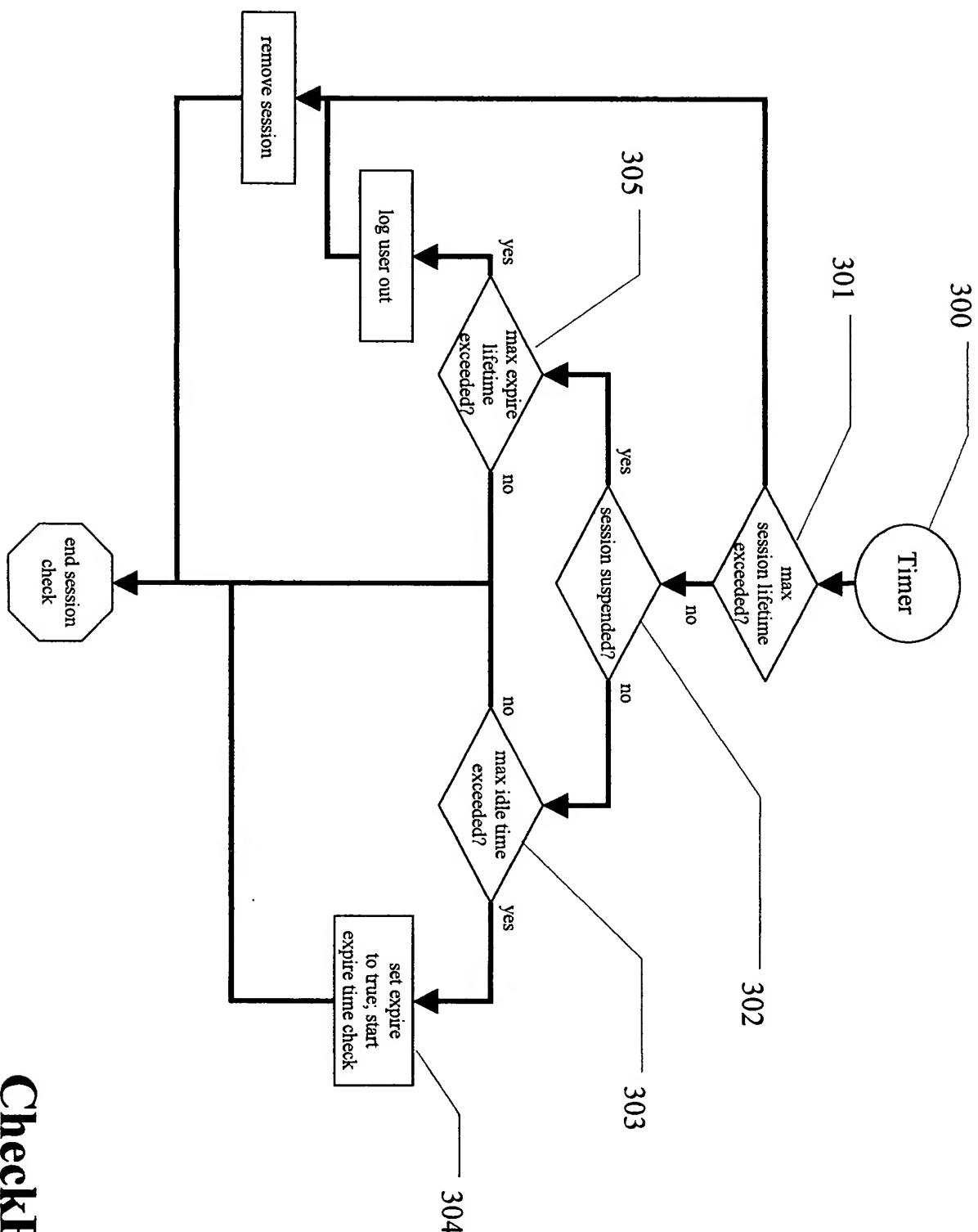
# Welcome

## Figure 25

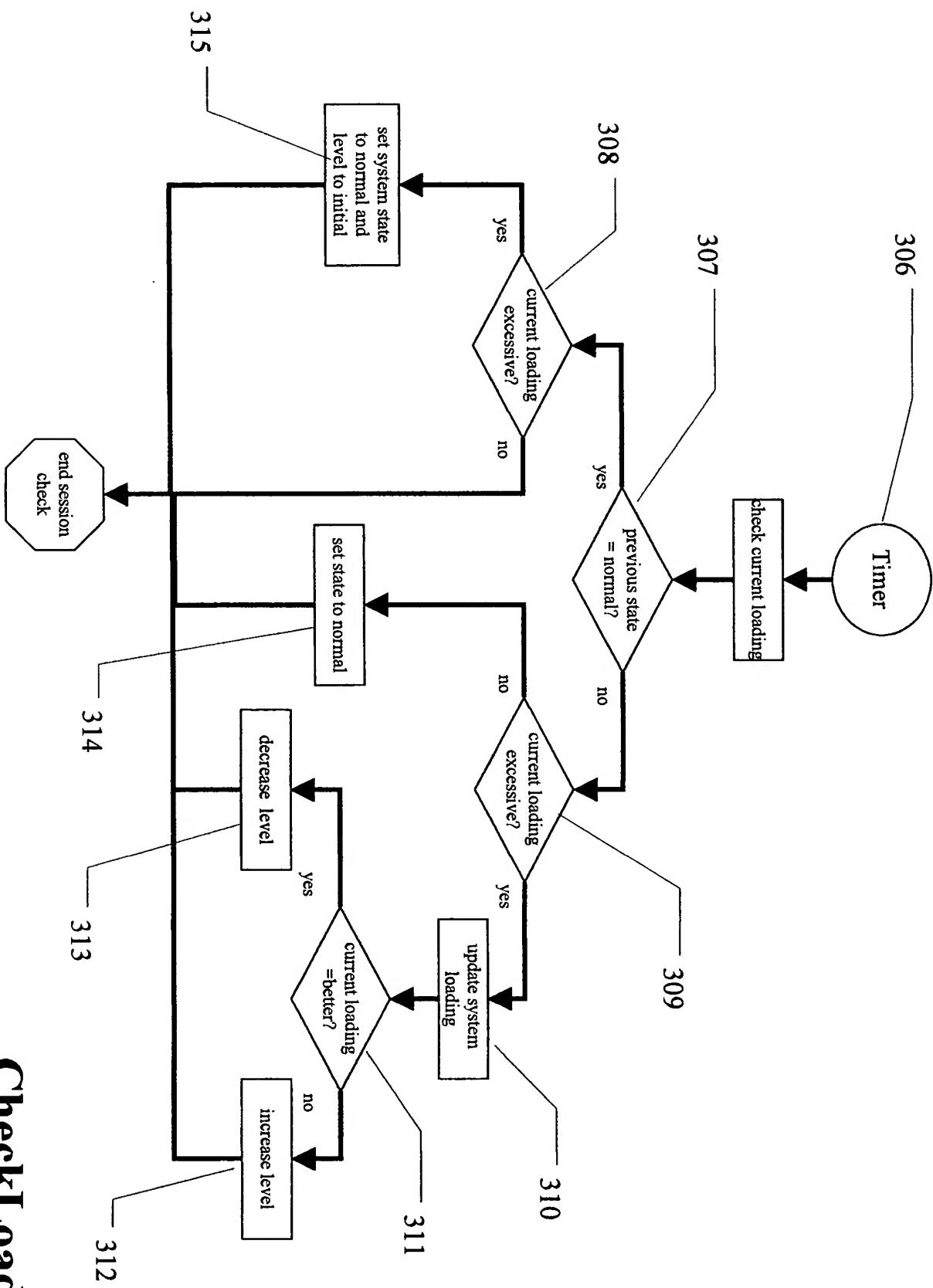




**VerifyPurchase**  
**Figure 26**



**CheckExpire**  
**Figure 27a**



**CheckLoad**

**Figure 27b**

316

execute  
UserStatus.

317

Present options &  
show account status

318

user  
input

Process choice

yes

no

set confirm\_purchase

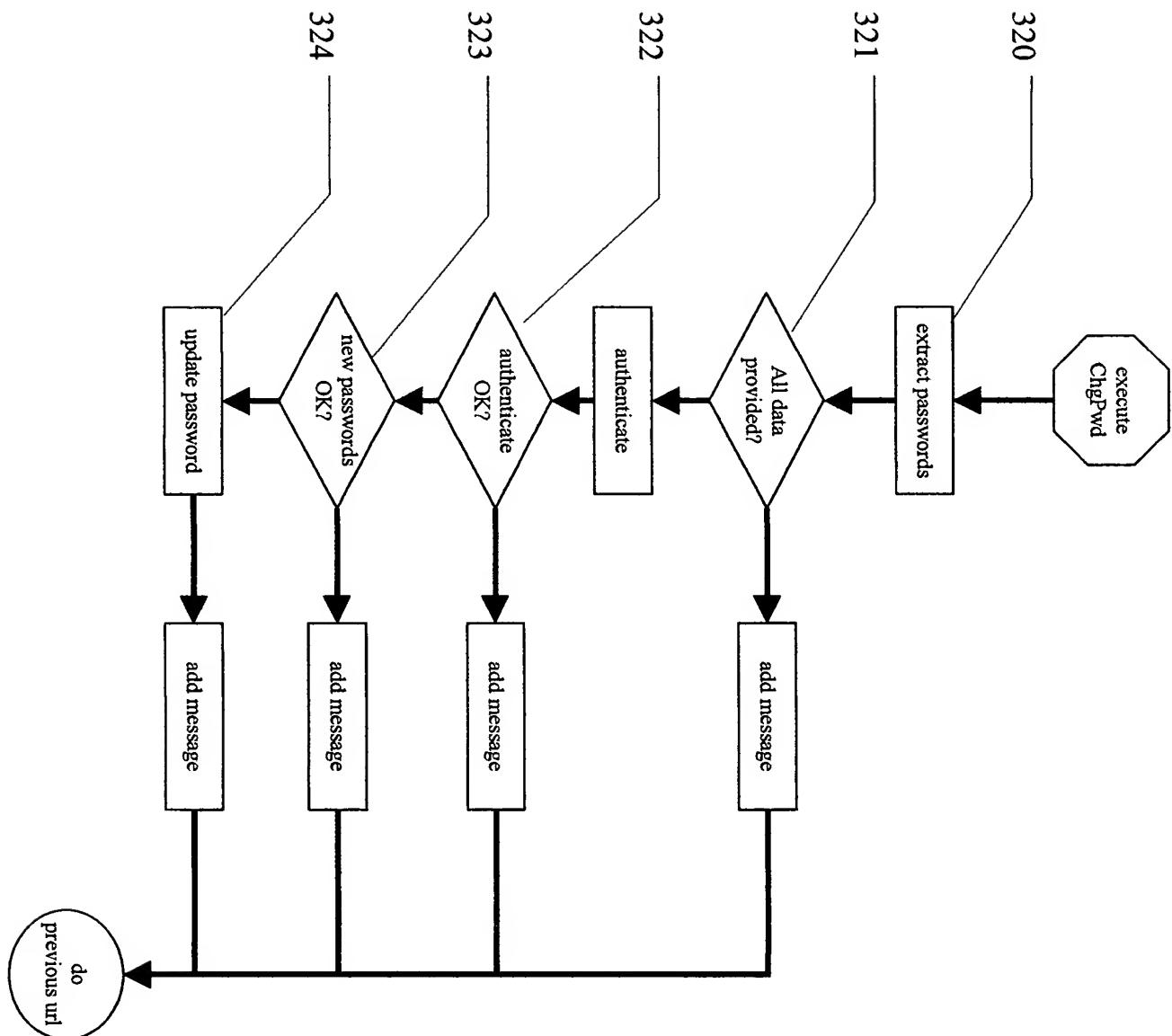
set new password

do  
default url

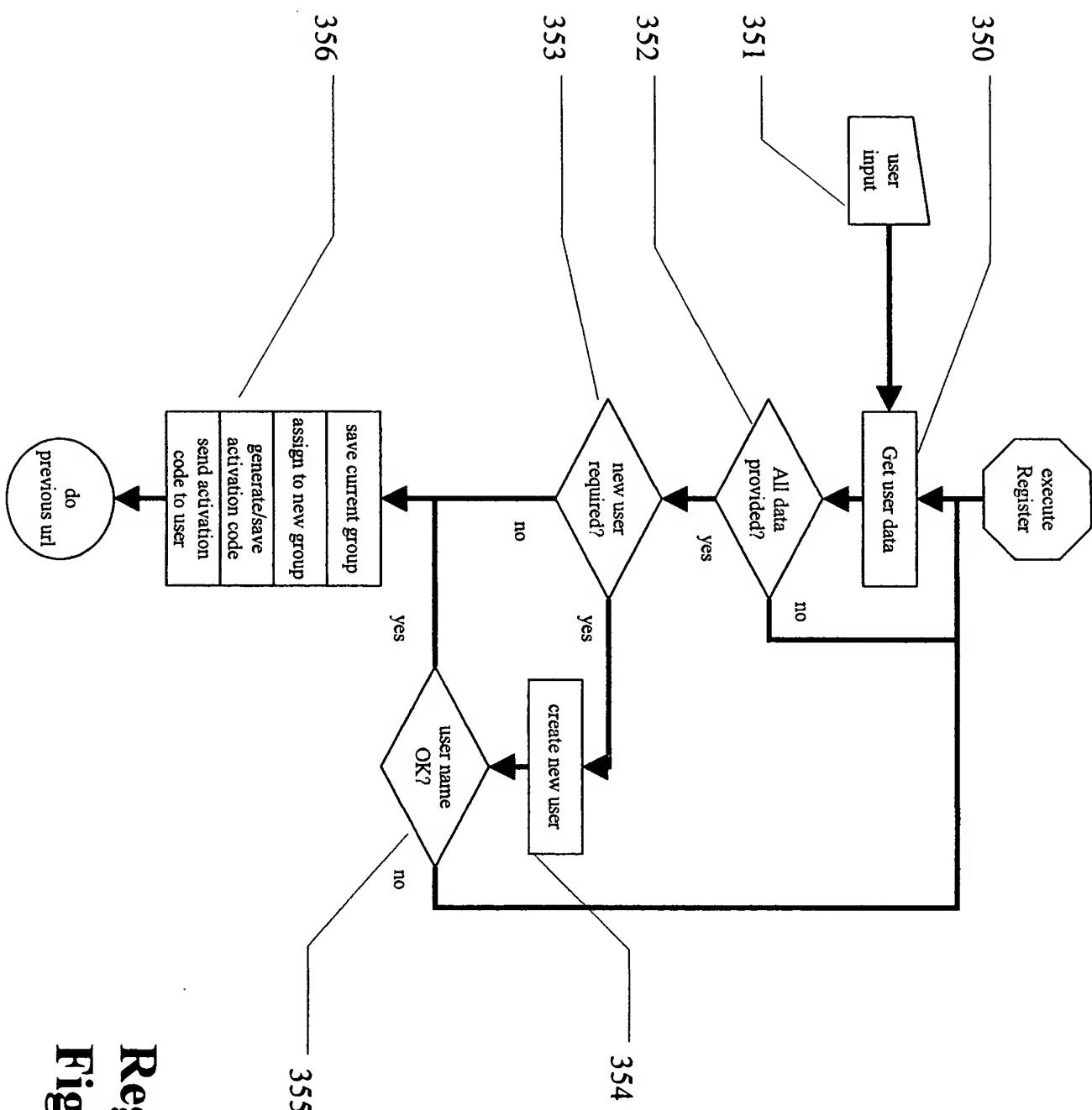
do  
Chg\_Pwd  
Fig 29

319

UserStatus  
Figure 28

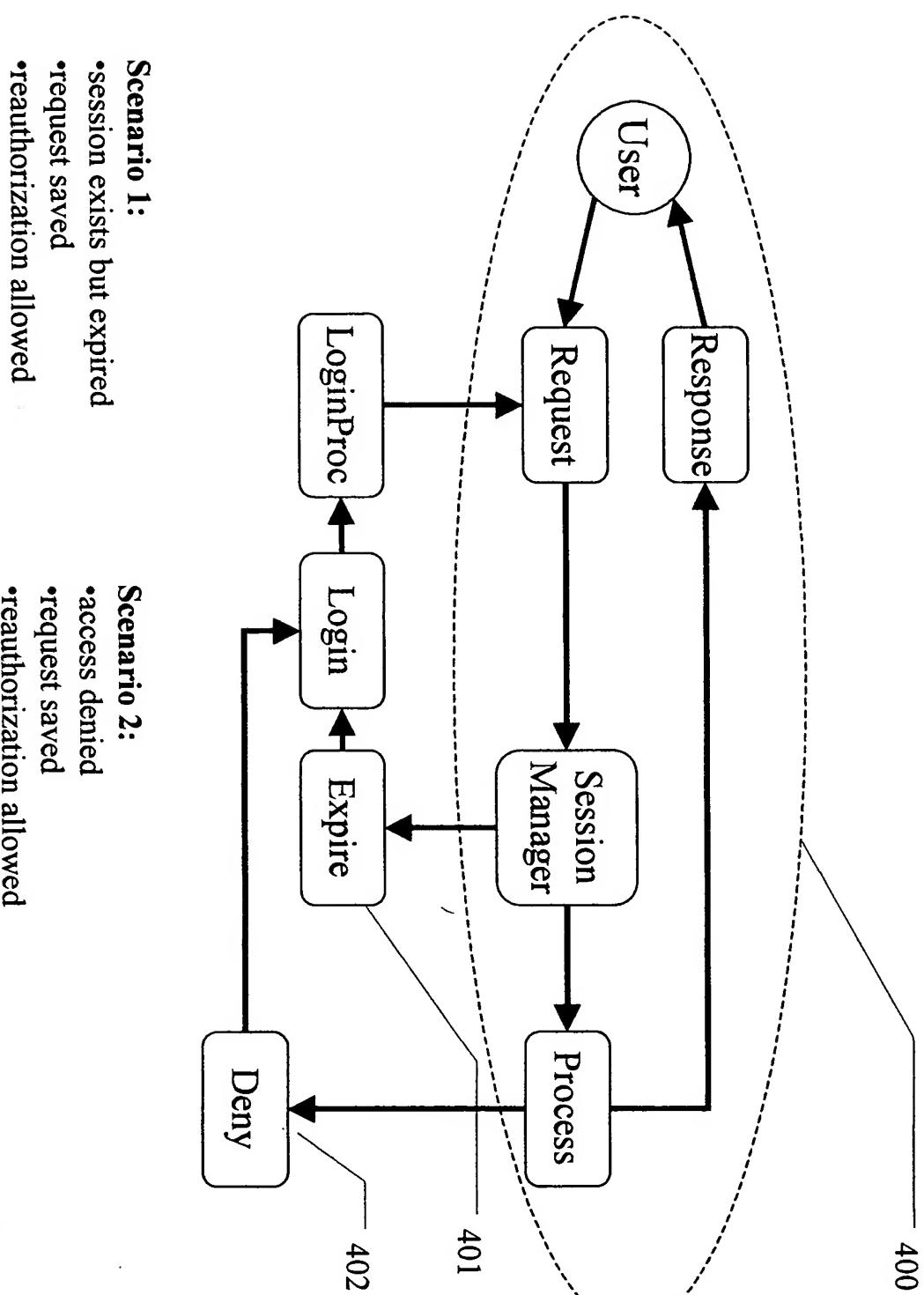


**ChgPwd**  
**Figure 29a**



**Register**  
**Figure 29b**

## Deny/Expire Scenario



400

401

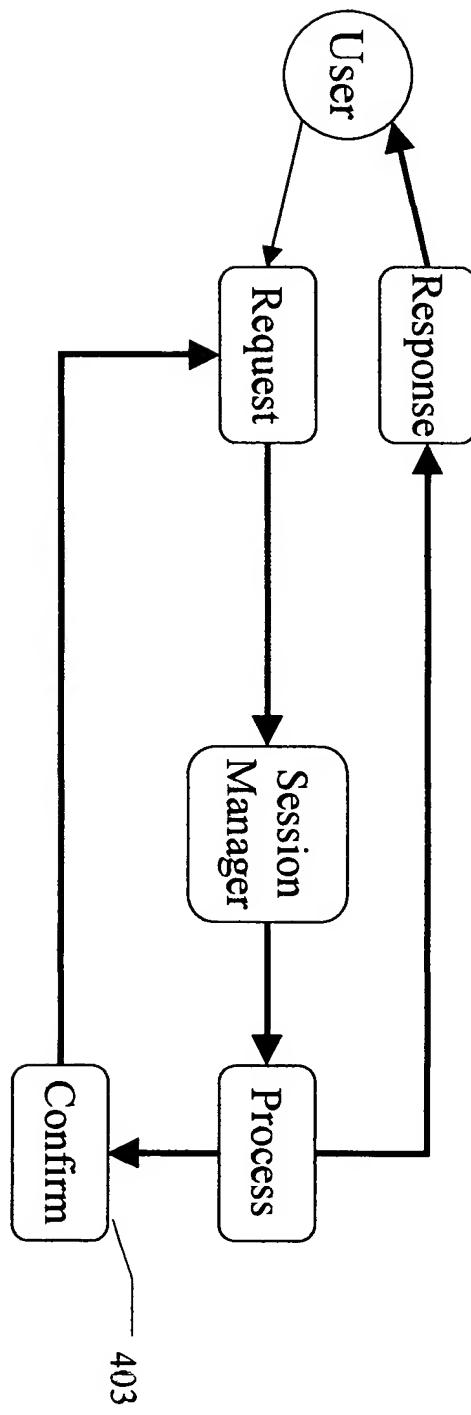
402

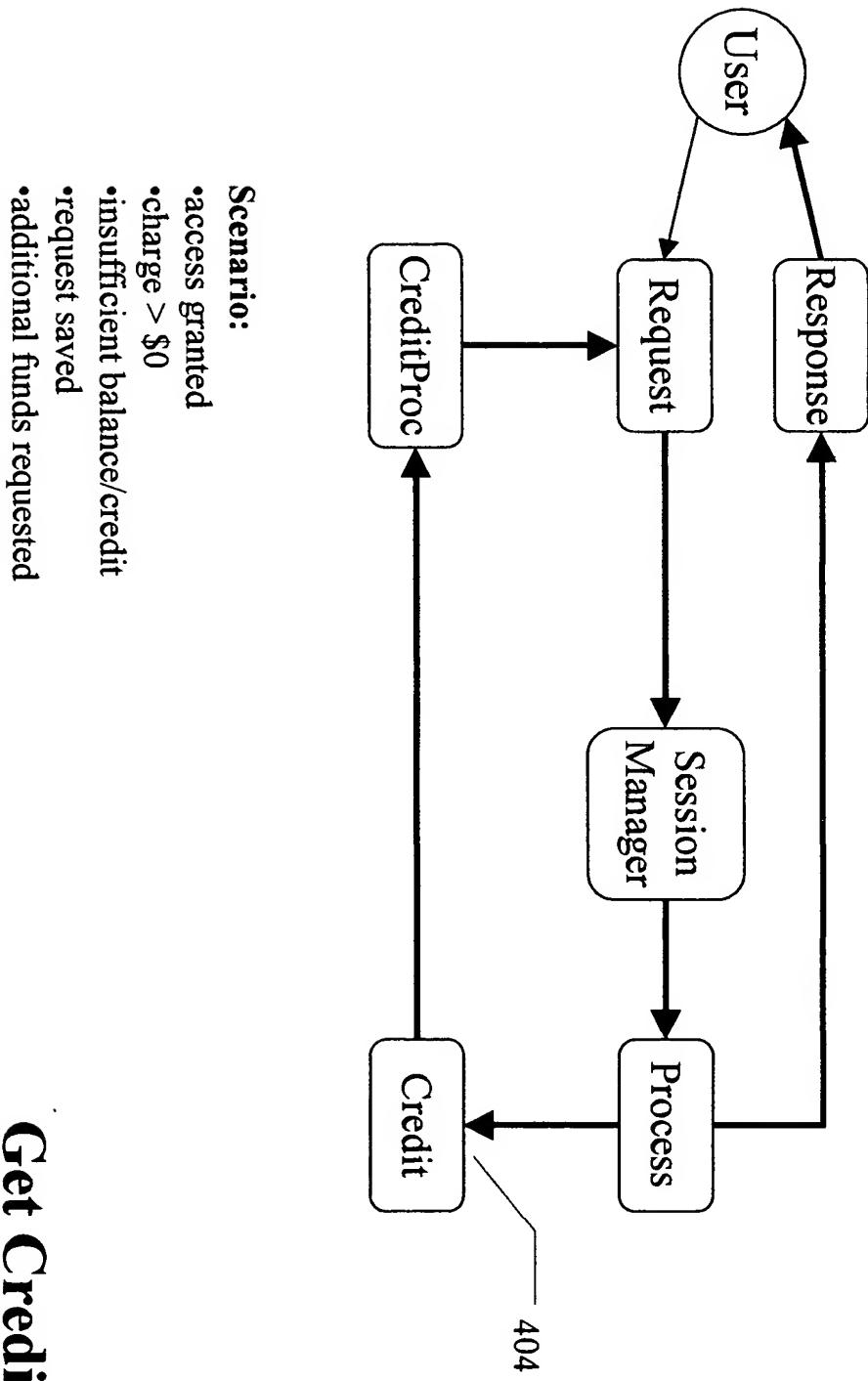
## Confirm Scenario

Figure 31

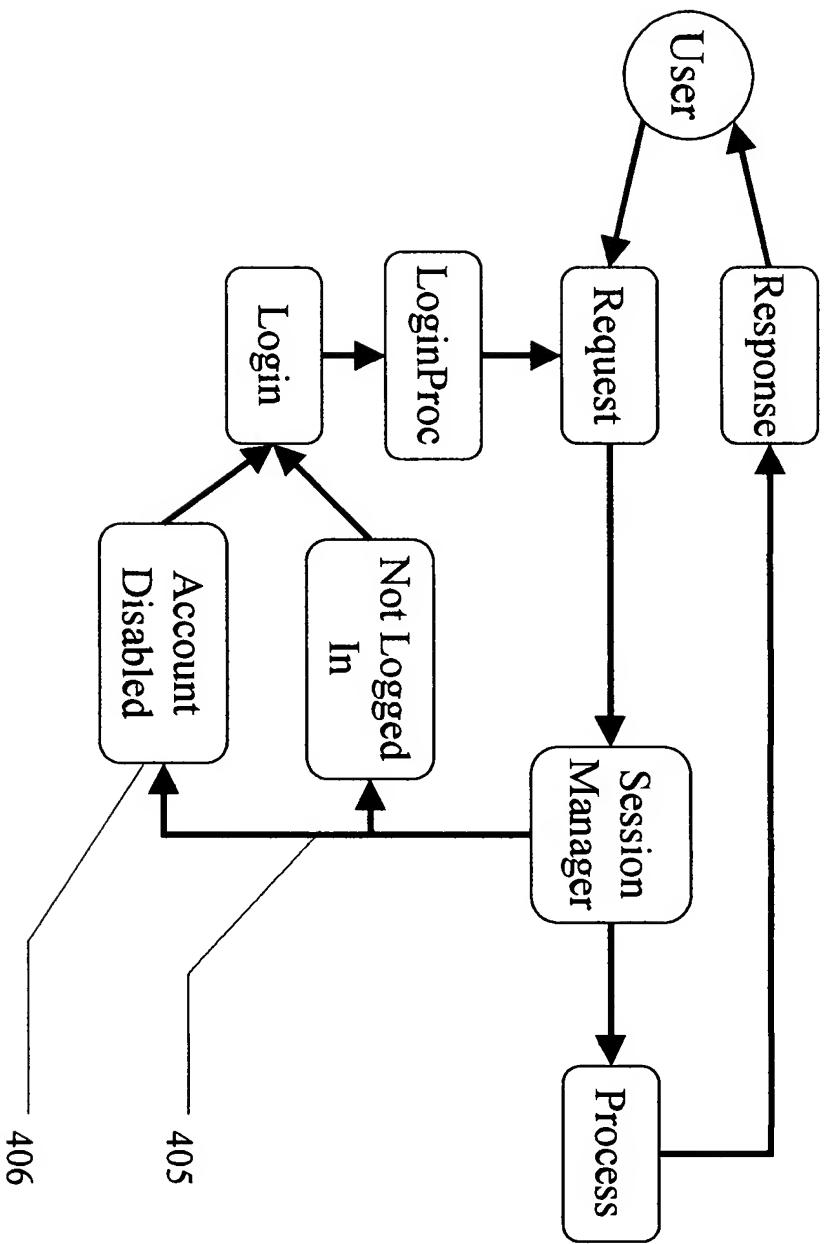
**Scenario:**

- confirmation active
- request not yet confirmed
- request saved
- confirmation requested





**Figure 32**



#### **Scenario 1:**

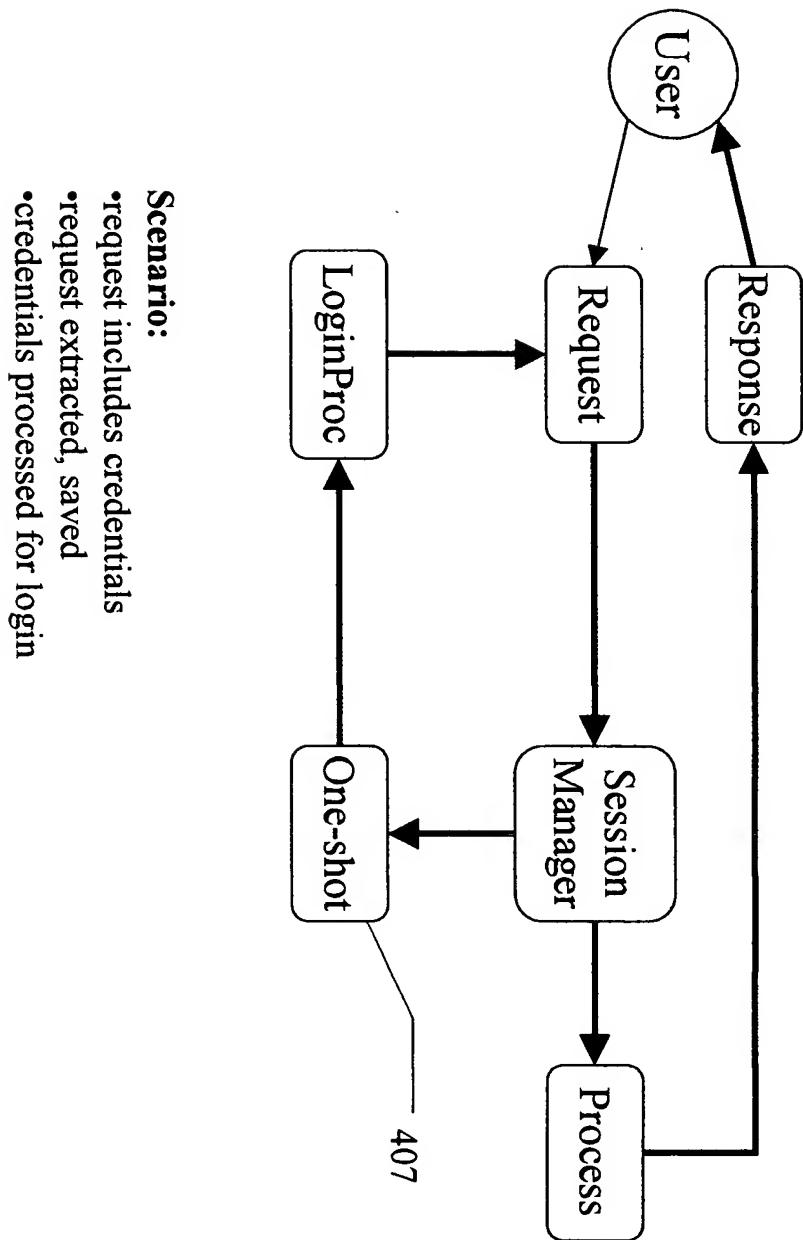
- automatic anonymous identity disabled
- initial user request
- login option presented

#### **Scenario 2:**

- account disabled
- re-authentication option presented

**Disabled  
Scenario**  
**Figure 33**

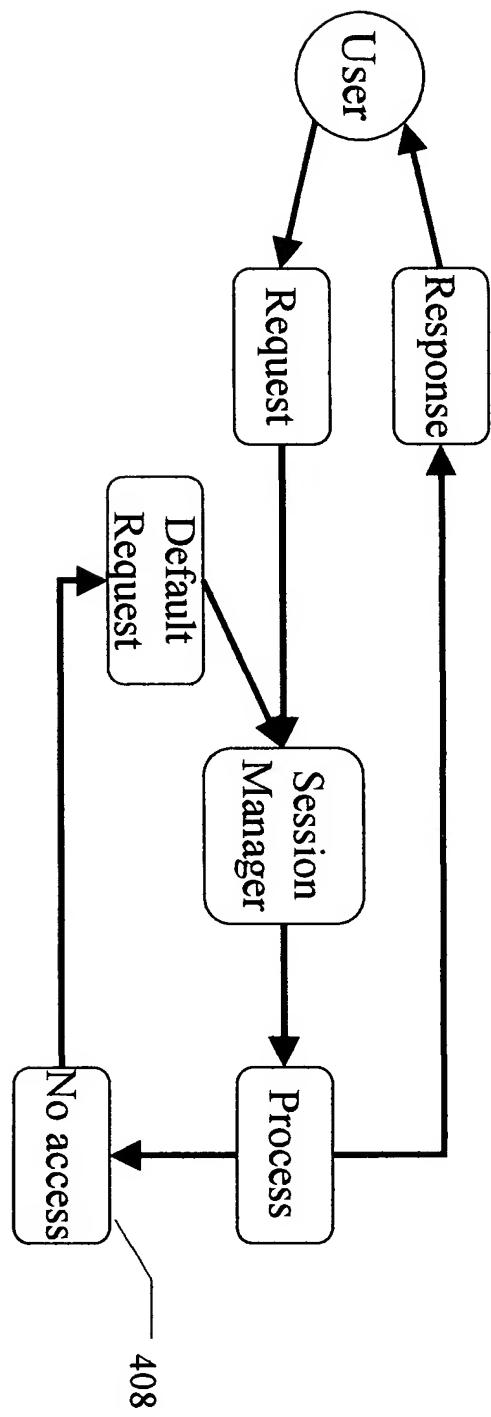
406  
405



**'One-Shot'  
Scenario**  
**Figure 34**

**Scenario:**

- request includes credentials
- request extracted, saved
- credentials processed for login

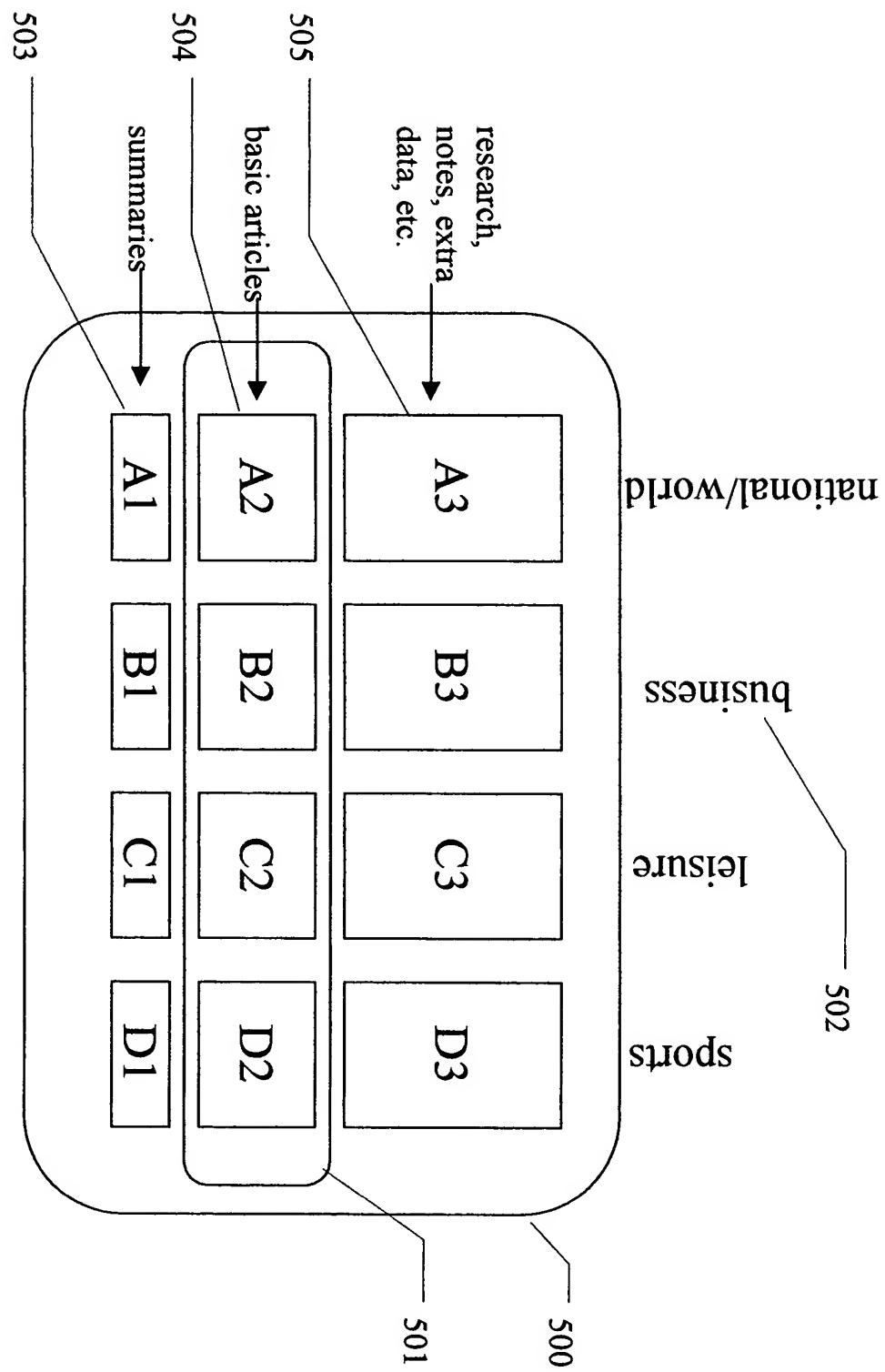


**Scenario:**  
•access not defined, and secure mode active  
•resubmit as default request

**No Access  
Scenario  
Figure 35**

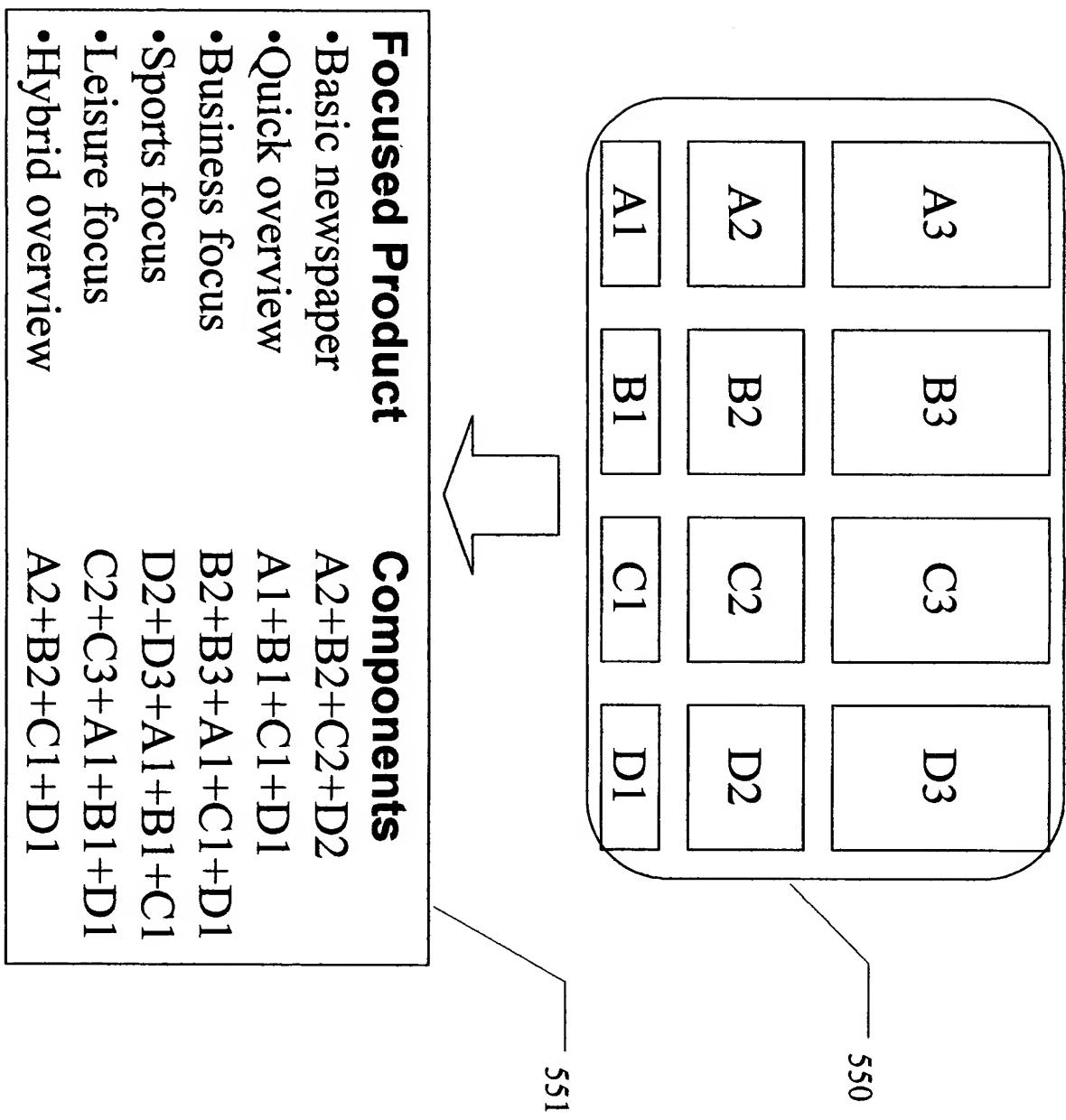
# Newspaper Content Example

## Figure 36



## Focused Product Example

Figure 37



**Example Market Segments**  
**Figure 38**

<b>Focused Product</b>	<b>Market Usage(value)</b>
•Basic newspaper	Heavy (20)
•Quick overview	Medium (20)
•Business focus	Heavy (25)
•Sports focus	Heavy (15), Light (10)
•Leisure focus	Medium (15), Occasional (5)
•Hybrid overview	Medium (15)

<b>Frequency</b>	<b>Class</b>	<b>Fixed</b>	<b>Incr.</b>
30/month	Heavy	100%	0%
20/month	Medium	50%	50%
10/month	Light	25%	75%
5/month	Occasional	0%	100%

,

601

600